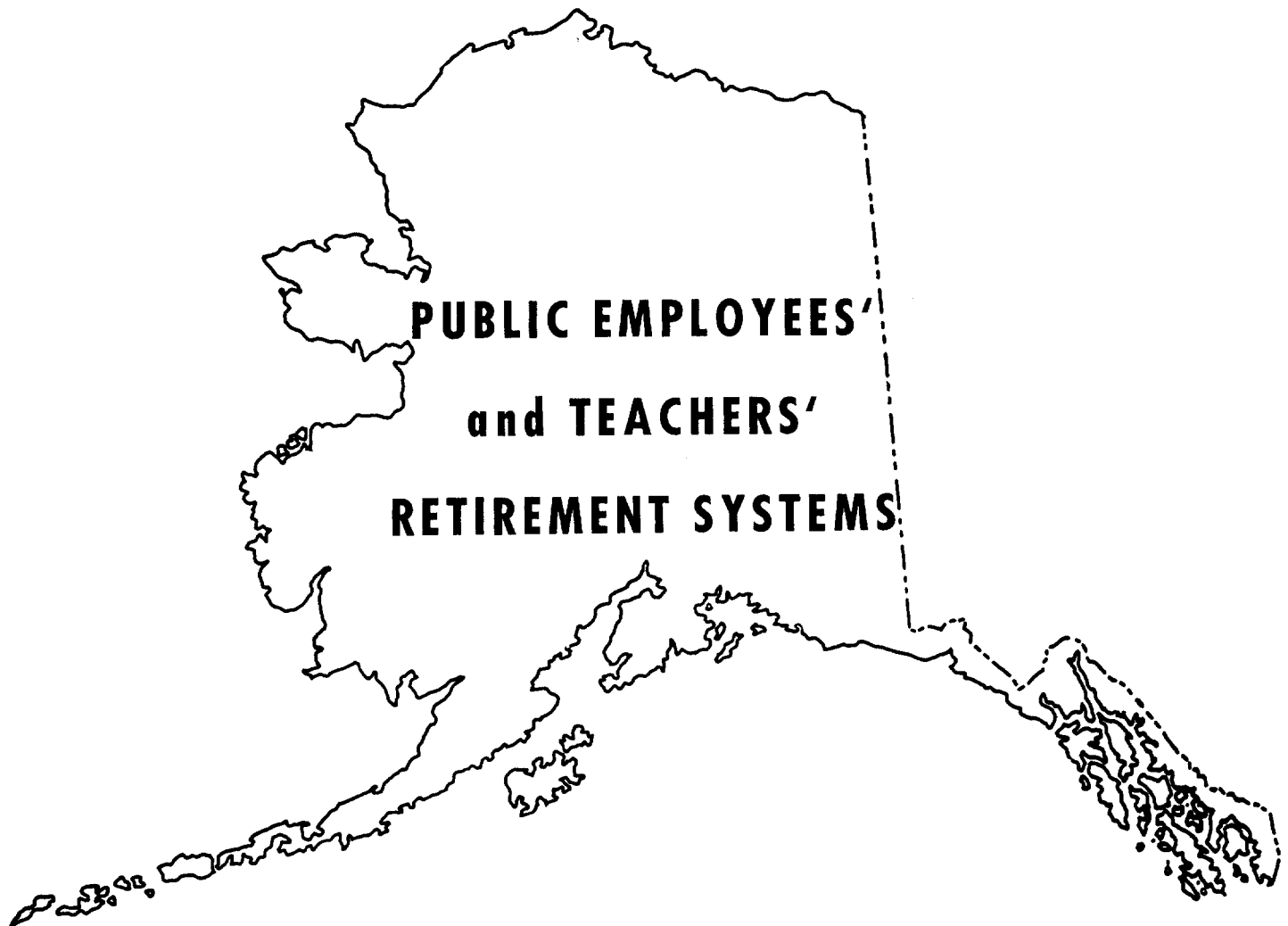


# STATE OF ALASKA



**JAY S. HAMMOND**  
Governor



**Fiscal Year Ended June 30, 1981**

# STATE OF ALASKA

## DEPARTMENT OF ADMINISTRATION

OFFICE OF THE COMMISSIONER

JAY S. HAMMOND, GOVERNOR

POUCH C  
JUNEAU, ALASKA 99811

November 20, 1981

The Honorable Jay S. Hammond  
Governor of Alaska  
Pouch A  
Juneau, AK 99811

Dear Governor Hammond:

It is my pleasure to submit to you the Annual Report of the Alaska Public Employees' Retirement System (PERS) and Teachers' Retirement System (TRS). This report shows the financial condition of both the PERS and TRS funds as of June 30, 1981. It has been prepared on the basis of standards set forth by the National Council on Governmental Accounting and is submitted in accordance with the requirements of Alaska Statutes 39.35.020(5) (PERS) and 14.25.030(4) (TRS).

Respectfully,



W. R. Hudson  
Commissioner

# STATE OF ALASKA

## DEPARTMENT OF ADMINISTRATION

### DIVISION OF RETIREMENT & BENEFITS

JAY S. HAMMOND, Governor

POUCH CR  
JUNEAU, ALASKA 99811

November 20, 1981

Mr. W. R. Hudson  
Commissioner of Administration  
Pouch C  
Juneau, AK 99811

Dear Commissioner Hudson:

I am pleased to submit to you the Annual Report of the Public Employees' (PERS) and Teachers' (TRS) Retirement Systems. The information presented in this report shows the results of operations and the financial condition of the two retirement funds for the fiscal year ending June 30, 1981. The financial statements in this report are presented on the accrual basis of accounting in accordance with the Financial Accounting Standards Board, Standard No. 35. Prior to fiscal year 1980, the statements were prepared on the cash basis of accounting.

The report contains the financial statements and audit report from the C.P.A. firm of Main Hurdman, who were selected as the auditors for fiscal year 1981. Also included are the most recent available actuarial valuations prepared by the systems' actuary, William M. Mercer, Inc.

The report also contains the fiscal year investment comments from the Division of Treasury, Department of Revenue, which is charged with the management of the retirement funds. A new step in investment policy in fiscal year 1981 was the investment in gold, making Alaska one of the first states to invest public retirement funds in a commodity.

The total assets of the Public Employees' and Teachers' Retirement Systems continued to grow as did the number of active and retired members. Assets of the PERS fund totalled \$493,075,440 as of June 30, 1981, an increase of 22.6 percent over the previous year. Assets of the TRS fund totalled \$373,253,081 as of June 30, 1981, an increase of 16.5 percent over the previous year. The graphs presented on pages 31-33 (PERS) and pages 53-55 (TRS) demonstrate the increases in total

assets, contributions and benefits paid in recent years. Additional information for the fiscal years ending June 30, 1979, through June 30, 1981, is provided in the following table:

	FY 1981		FY 1980		FY 1979	
	<u>PERS</u>	<u>TRS</u>	<u>PERS</u>	<u>TRS</u>	<u>PERS</u>	<u>TRS</u>
Number of participating employers	87	61	83	61	77	59
Number of active members	21,565	7,473	19,313	7,217	18,006	6,914
Number of retired members	2,767	1,380	2,445	1,245	2,157	1,136
Average annual benefit	\$7,123	\$13,343	\$6,565	\$12,489	\$6,008	\$11,257

The fall 1980 meetings of the PERS and TRS Boards were held in Fairbanks and the spring 1981 meetings were held in Juneau. The actuary presented the valuations at the fall meetings and reported that the funding status of both systems is excellent. The Boards unanimously approved the use of unisex factors and tables for the PERS and TRS effective January 1, 1981, and also approved the employer contribution rates as determined by the actuary for the fiscal year beginning July 1, 1981.

As you know, no legislation affecting either the PERS or the TRS passed during the 1981 legislative session. However, there is currently a bill pending which would significantly affect the retirement systems. SCS CSHB 121 (Rules) am S re-eng contains provisions which would mandate the granting of an automatic, annual post retirement pension adjustment (PRPA) to PERS and TRS benefit recipients and which would increase the multiplier used in the benefit formula. We have recently finished consolidating our legislative requests for 1982 into one bill. This proposal includes provisions to create pre-and post-retirement death benefit coverage in the TRS similar to that which currently exists in the PERS, establish a PERS/TRS Disability Review Board, and amend the PERS/TRS refund provisions.

The Division is now in the process of finalizing the detail design phase of a new data processing system which will provide for many improvements to our current operations. Among the expected improvements is on-line access to data in the system, allowing the Division to better respond to member and employer needs. Considerable changes are planned in the contribution reporting process which will allow for more timely, accurate posting of contributions to member accounts.

W. R. Hudson

November 20, 1981

The Division is continuing its efforts to correct and update member data on file in the current systems. For instance, much progress has been made in the PERS towards clearing a backlog of reinstatement indebtedness accounts which needed to be established for active members who had received prior refunds, while in the TRS the Division is in the process of correcting employment history segments on file for active members.

This report will be mailed to all employer members of the Public Employees' and Teachers' Retirement Systems. Needless to say, the cooperation of member employers is essential to the successful operation of the systems.

Sincerely,

A handwritten signature in cursive script, appearing to read "Paul B. Arnoldt".

Paul B. Arnoldt  
Director

# STATE OF ALASKA

## DEPARTMENT OF REVENUE

TREASURY DIVISION

JAY S. HAMMOND, GOVERNOR

ELEVENTH FLOOR  
STATE OFFICE BUILDING  
POUCH SB  
JUNEAU, ALASKA 99811  
PHONE:

November 20, 1981

Mr. W. R. Hudson  
Commissioner of Administration  
Pouch C  
Juneau, AK 99811

Dear Commissioner Hudson:

The 1981 fiscal year was a period characterized by extreme volatility in financial markets. As measured by the accepted bond indices, the first quarter was the worst in fifty years. The economy experienced the shortest recession on record -- three months -- during the early part of the fiscal year and then bounced back to produce extraordinary growth in early 1981 before weakening again during the Spring. While inflation has abated recently there is nothing substantive to indicate that this improvement is anything more than a temporary phenomenon; wage demands continue strong and there has been no improvement in productivity.

There is a growing perception in financial markets that a strict monetarist monetary policy and supply-side oriented fiscal policy are not entirely compatible. Those advocating most strongly the supply side fiscal policy are already beginning to contend that high interest rates are suppressing economic growth, pushing the federal budget further out of balance and jeopardizing the tax cut's chance of success. The Federal Reserve Bank, on the other hand, is undoubtedly concerned that a significant easing in interest rates would start another inflationary surge in pent up consumer demand, compounded by the administration's three year tax cut and planned increases in defense spending. Eventually one philosophy will have to be deemphasized.

The central concern in the development of investment strategy is the willingness of the U.S. government to come to grips with inflation and the nature of the policies suggested to bring it under control. The administration's budget and tax cutting victories along with its defense program have raised a number of significant concerns within the investment community. Both the U.S. Treasury and federal agencies will continue to make heavy demands on the credit markets for the remainder of this year and well into 1982. The federal budget deficit is now officially estimated at \$98 billion for the 1982 fiscal year and some private analysts are projecting amounts considerably higher. In any event, the official projection would prove to be the highest by far in American history.

Mr. W. R. Hudson

November 20, 1981

Given the volatility of the economy and interest rates, the investment markets are likely to remain highly volatile. A conservative strategy emphasizing short-term maturities appears best suited to providing high rates of return while at the same time minimizing the risks of capital depreciation. We concentrated new cash in short high quality investments during the last fiscal year, and achieved better diversification across the economic and political spectrum of possible events. Portfolios of real estate equity and gold bullion (fully hedged against the possibility of decline in value) were added and the existing loan and mortgage portfolio is being diversified nationally with 17% of the commitment now represented by out-of-state mortgages.

Realized rates of return for fiscal year 1981, based upon average balances available for investment, have been 11.60% for the Public Employees' Retirement System and 11.58% for the Teachers' Retirement System.

Sincerely,

A handwritten signature in cursive script, reading "Peter A. Bushre".

Peter A. Bushre  
Deputy Commissioner/Treasury

STATE OF ALASKA  
RETIREMENT FUNDS  
Combined Balance Sheet  
June 30, 1981

<u>Assets</u>	<u>Total</u>	<u>Public Employees' Retirement Fund</u>	<u>Teachers' Retirement Fund</u>
Cash	\$ 2,223,953	\$ 641,766	\$ 1,582,187
Certificates of Deposit & Other Short Term Investments	94,810,297	73,081,122	21,729,175
Investment Securities:			
United States Government	211,662,047	125,739,277	85,922,770
Other	39,988,656	22,275,133	17,713,523
Gold	43,420,447	23,670,137	19,750,310
Common Stock	107,542,795	50,622,697	56,920,098
Convertible Stock	923,250	461,625	461,625
Real Estate Mortgages & SBA Loans in Alaska	297,373,566	162,506,066	134,867,500
Real Estate Equity Fund	47,389,210	24,694,605	22,694,605
Contributions Receivable	11,736,537	2,784,106	8,952,431
Accrued Investment Income	11,485,386	7,420,898	4,064,488
Other Receivables	213,803	213,803	
 Total Assets	 \$868,769,947	 \$494,111,235	 \$374,658,712
 <u>Liabilities</u>			
Accrued Expenses	\$ 2,441,426	\$ 1,035,795	\$ 1,405,631
 Net Assets	 \$866,328,521	 \$493,075,440	 \$373,253,081
 <u>Equities and Reserves</u>			
Equities:			
Employees' equities	\$231,078,230	\$103,306,979	\$127,771,251
Employers' equities	324,571,682	220,105,215	104,466,467
 Total Equities	 555,649,912	 323,412,194	 232,237,718
 Retirement Reserve	 310,678,609	 169,663,246	 141,015,363
 Total Equities & Reserves	 \$866,328,521	 \$493,075,440	 \$373,253,081



STATE OF ALASKA  
RETIREMENT FUNDS  
Combined Statement of Operations  
For Fiscal Year Ended June 30, 1981

	<u>Total</u>	<u>Public Employees'</u> <u>Retirement Fund</u>	<u>Teachers'</u> <u>Retirement Fund</u>
Beginning Equities and Reserve July 1, 1980	\$722,440,190	\$402,125,897	\$320,314,293
Additions:			
Employees' Contributions	43,174,513	24,321,437	18,853,076
Employers' Contributions	109,486,623	71,832,706	37,653,917
Interest Earned on Indebtedness	890,048	267,258	622,790
Net Investment Income	89,546,676	50,366,085	39,180,591
Market Value Adjustment	<u>(42,957,757)</u>	<u>(23,940,261)</u>	<u>(19,017,496)</u>
Total Additions	<u>200,140,103</u>	<u>122,847,225</u>	<u>77,292,878</u>
Beginning Balances & Additions	\$922,580,293	\$524,973,122	\$397,607,171
Deductions:			
Administrative Expenses	2,469,411	1,291,709	1,177,702
Employees' Contributions and Interest Refunded	10,178,402	7,006,149	3,172,253
Employer Contributions Refunded	795,864	795,864	-0-
Medical Benefit Expenses	4,684,022	3,093,546	1,590,476
Retirement Benefits Paid	<u>38,124,073</u>	<u>19,710,414</u>	<u>18,413,659</u>
Total Deductions	<u>56,251,772</u>	<u>31,897,682</u>	<u>24,354,090</u>
Ending Equities & Reserve June 30, 1981	<u>\$866,328,521</u>	<u>\$493,075,440</u>	<u>\$373,253,081</u>

STATE OF ALASKA

PUBLIC EMPLOYEES'  
RETIREMENT  
FUND

BOARD MEMBERS

<u>Name</u>	<u>Term Expires</u>
C. R. "Steve" Hafling, Chairman	July 20, 1984
Marian Carlson	December 14, 1984
Ronald M. Henry	June 20, 1982
Morgan W. Reed	June 20, 1986
James P. Wellington	October 26, 1983

Paul B. Arnoldt, Director  
Division of Retirement and Benefits  
Alaska Public Employees' Retirement System

We have examined the statement of net assets available for benefits of the Alaska Public Employees' Retirement System as of June 30, 1981, and the related statement of changes in net assets available for benefits for the year then ended. Our examination was made in accordance with generally accepted auditing standards and, accordingly, included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances. The financial statements of the Alaska Public Employees' Retirement System for the year ended June 30, 1980, were examined by other auditors whose report dated October 3, 1980, expressed an unqualified opinion on those statements.

In our opinion, the 1981 financial statements referred to above present fairly the net assets available for benefits of the Alaska Public Employees' Retirement System as of June 30, 1981, and the changes in net assets available for benefits for the year then ended, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

Our examination has been made primarily for the purpose of forming an opinion stated in the preceding paragraph. The data contained in the accompanying schedule of investments held at June 30, 1981, although not considered necessary for a fair presentation of the net assets available for benefits and changes therein, are presented as accompanying information and have been subjected to the audit procedures applied in the examination of the basic financial statements. In our opinion, these data are fairly stated in all material respects in relation to the basic financial statements taken as a whole.

*Main Hurdman*

October 8, 1981

ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM  
STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS  
June 30, 1981 and 1980

<u>ASSETS</u>	<u>1981</u>	<u>1980</u>
Cash	\$ 641,766	\$ 1,038,846
Certificates of deposit and other short-term investments, at market value (cost - (\$70,984,412 and \$87,322,807))	73,081,122	90,814,478
Investment securities		
United States securities, at market value (cost - \$151,232,735 and \$108,406,216)	125,739,277	99,873,191
Other bonds, notes and debentures, at market value (cost - \$33,266,058 and \$35,018,664)	22,275,133	29,540,100
Gold committed on futures contracts, at market value (cost - \$25,055,480 and \$-0-)	23,670,137	
Common stocks, at market value (cost - \$47,642,393 and \$29,387,223)	50,622,697	31,673,726
Convertible stock, at market value (cost - \$533,880 and \$-0-)	461,625	
Real estate equity fund, at market value (cost - \$23,250,000 and \$-0-)	24,694,605	
Real estate mortgages and Small Business Administration loans, at cost	162,506,066	140,020,133
Contributions receivable	2,784,106	2,885,489
Accrued investment income	7,420,898	6,942,429
Other receivables		
Purchased interest	213,803	
Insurance		107,011
	<u>494,111,235</u>	<u>402,895,403</u>
 <u>LIABILITIES</u>		
Accrued expense	<u>1,035,795</u>	<u>769,506</u>
Net assets available for benefits	<u>\$493,075,440</u>	<u>\$402,125,897</u>

The accompanying notes are an integral part of these financial statements.

ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM  
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS  
Years Ended June 30, 1981 and 1980

	<u>1981</u>	<u>1980</u>
Net assets available for benefits		
Beginning of year	\$402,125,897	\$316,675,507
Unrealized increase (decrease) in market value of investments held at year end, net	<u>(23,940,261)</u>	<u>(4,989,714)</u>
Additions		
Employee contributions	24,321,437	20,898,263
Employer contributions	71,832,706	56,236,318
Investment income	50,366,085	37,489,889
Interest on members' indebtedness	<u>267,258</u>	<u>206,417</u>
	<u>146,787,486</u>	<u>114,830,887</u>
Deductions		
Medical benefit expenses	3,093,546	1,724,764
Retirement benefits paid	19,710,414	16,051,047
Refunds to terminated members	7,802,013	5,759,464
Administrative expenses	<u>1,291,709</u>	<u>855,508</u>
	<u>31,897,682</u>	<u>24,390,783</u>
Net assets available for benefits		
End of year	<u>\$493,075,440</u>	<u>\$402,125,897</u>

The accompanying notes are an integral  
part of these financial statements.

# ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## NOTES TO FINANCIAL STATEMENTS

### Summary of Significant Accounting Policies

#### Basis of Accounting

The System maintains its accounting records on the cash basis of accounting. Financial statements are presented on the accrual basis of accounting. During the preparation of these statements, adjustments were made to convert from the cash to the accrual basis.

#### Investments

Investments, other than real estate mortgages and Small Business Administration loans, are carried at aggregate market value to reflect the asset values of the System at June 30, 1981 and 1980. This method of valuation is considered proper because the System actively trades marketable securities in its portfolio, and the System is not committed to holding these investments for a long period of time. Investment income consists of interest, dividends and gain or losses generated by the sale of investments.

The investment in gold committed on futures contracts consists of 40,867.368 fine troy ounces which have been hedged through three gold bullion sales contract agreements as follows:

<u>Amount in fine troy ounces</u>	<u>Average cost of gold</u>	<u>Settlement date</u>	<u>Price at settle- ment date</u>
17,441.990	\$661	February 21, 1984	\$690
18,007.728	602	March 5, 1984	660
5,417.650	497	September 14, 1981	497

The investment is valued at the price quoted at June 30, 1981 for forward sales contracts maturing on the above listed settlement dates.

Real estate mortgages and Small Business Administration loans are stated at cost. The market value of these mortgages and loans is not compiled or presented within the financial statements as it is the intent of management to hold these investments until maturity.

#### Contributions Receivable

Contributions receivable from employees and matching contributions from employers for service through June 30, 1981 are accrued. No allowance for doubtful accounts has been considered necessary by System management.

#### Other Participants

Elected officials may participate in the System at their option.

ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM  
NOTES TO FINANCIAL STATEMENTS  
(Continued)

Description of the System

Administration of the System

The Alaska Public Employees' Retirement System is a statewide retirement plan established on January 1, 1961 for units of local government and covers substantially all full-time employees of the State of Alaska. In addition, employees of participating political subdivisions are included in the System. A separate retirement system covers teachers.

Employee Contributions

Member contributions are established by statute at 5 percent of gross pay for peace officers and firemen and 4% percent of gross pay for all other members. This is deducted from the members' salary and remitted by the participating employers.

Employer Contributions

Employer contribution rates are determined by an actuarial formula which are estimated to be sufficient to annually fund current service and fund past service costs over 25 years.

Types of Benefits

Benefits provided to eligible members include full retirement benefits, early retirement benefits, disability pension benefits, comprehensive medical disability pension benefits, comprehensive medical insurance coverage, cost of living allowance and other benefits. Upon termination, members' contributions, plus accrued interest, are refundable.

Statutes

Benefits and eligibility requirements are specified in the Alaska Public Employees' Retirement System - Statutes, January 1, 1981, as amended. Pamphlets describing the System are available from the State of Alaska, Division of Retirement and Benefits.

Conversion to Accrual Basis Accounting

The effects of the accrual adjustments follow:

	<u>1981</u>	<u>1980</u>
Net assets available for benefits, on a cash basis at June 30	\$516,079,896	\$401,300,900
Adjustments to reflect conversion to accrual basis of accounting		
Accrued contributions receivable	2,784,106	2,885,489
Accrued investment income	7,420,898	6,942,429
Accrued refunds payable and certain other expenses	(1,035,795)	(769,506)
Adjustments to reflect change in method of valuation of marketable securities and gold	<u>(32,173,665)</u>	<u>(8,233,415)</u>
Net assets available for benefits at June 30, as presented in the accompanying financial statements	<u>\$493,075,440</u>	<u>\$402,125,897</u>

# ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## NOTES TO FINANCIAL STATEMENTS (Continued)

### Contingent Liabilities

The Alaska Public Employees' Retirement System is a defendant in a dispute concerning whether or not certain probation/parole officers should be treated as peace officers. The estimated maximum potential exposure is \$1,193,895 based upon the present value of additional benefits which would be payable to the employees if they were reclassified as peace officers, minus the additional contributions to be made by those employees. The State Office of the Attorney General believes they will be successful in preventing the reclassification of those employees.

The System is engaged with the Alaska Department of Fish and Game and with the appellants regarding the final form of a regulation designating certain positions as peace officers. The estimated maximum exposure of the System is \$2,020,990, based on the present value of additional benefits minus the value of increased employee contributions.

The System is involved in other appeals of decisions of the Public Employees' Retirement System Board in which the State Office of the Attorney General expects to be successful for which potential liabilities for additional benefits total approximately \$190,000.

### Actuarial Determinations

The System's consulting actuary, William M. Mercer, Incorporated, estimated the present value of accrued benefits to be \$475,285,952 at January 1, 1980.

Contributions to the System are based upon recommendations from the actuary utilizing the actuarial cost method described below.

Significant assumptions underlying the January 1, 1980 determinations are as follows:

Actuarial cost method	Attained age normal, unfunded accrued benefit liability amortized over 25 years.
Mortality basis	1971 Group Annuity Mortality Table.
Retirement age	Average age of 60 and the earliest age for which the member would be eligible for normal retirement benefits.
Interest rate	Six percent per annum, compounded annually, net of investment expenses.
Salary scale	Six percent per annum, compounded annually to age 39, 5 percent thereafter.
Cost of living adjustment (Domiciled in Alaska)	Sixty percent of those receiving benefits will be eligible to receive the cost of living adjustment.



ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

NOTES TO FINANCIAL STATEMENTS  
(Continued)

Actuarial Determinations (Continued)

Contribution refunds

Eighty-nine percent of those terminating before age fifty with eight to twelve years of service will leave their contributions and thereby retain their deferred vested benefit. All others who terminate after becoming vested are assumed to keep their contributions in the System.

Asset valuation

Adjusted market basis using the three year average relationship between market value and cost.

Turnover and disability assumptions are based upon actual historical occurrence rates of the System.

Subsequent Events

On September 14, 1981, the Alaska Public Employees' Retirement System fulfilled its obligation under one of its forward sales contracts by substituting 5,417.650 ounces of gold purchased on that date at a cost of \$442 per ounce. A gain was realized for the Public Employees' Retirement System of \$297,971.

Statement of Financial Accounting Standards No. 35

The Financial Accounting Standards Board has issued Statement of Financial Accounting Standards No. 35, "Accounting and Reporting by Defined Benefit Pension Plans", which is effective for plan years beginning after December 15, 1980; however, it has not been determined whether this will apply to the Public Employees' Retirement System.

Benefit Services / Consulting Actuaries

September 24, 1980

Mr. Paul B. Arnoldt, Director  
State of Alaska  
Department of Administration  
Division of Retirement & Benefits  
Pouch CR  
Juneau, Alaska 99811

Actuarial Status -  
Alaska Public Employees' Retirement System

Dear Paul:

This is a brief statement to outline the actuarial status of the Alaska Public Employees' Retirement System. The actuarial valuation which we perform each year has the following objectives:

- (1) To examine the status of funding of the System.
- (2) To develop contribution rates for each participating employer in the System which are adequate to support the benefits of the System.

The actuarial valuation of the Alaska Public Employees' Retirement System as of January 1, 1980 is based upon the actuarial assumptions and methods which were adopted by the Retirement Board in March, 1978. The more significant results are as follows:

Contribution Rates

Contribution rates as a percent of earnings have increased almost entirely due to the 38% increase in post-retirement medical premiums. The following table summarizes these rates:

	--- Valuation Date ---	
	<u>1-1-79</u>	<u>1-1-80</u>
(a) Consolidated Rate	10.50%	11.46%
(b) Average Past Service Rate	2.53%	2.32%
(c) Average Total Contribution Rate	13.03%	13.78%

Mr. Paul B. Arnoldt

Page Two

September 24, 1980

Funding Progress

One of the best measures of a pension plan's funding progress is the growth of assets relative to the present value of accrued benefits. Although liabilities increased more than anticipated during the year, the accrued benefit funding ratio also increased. This was due primarily to the 11.3% investment yield on PERS assets during the year.

	--- Valuation Date ---	
	<u>1-1-79</u>	<u>1-1-80</u>
(a) Valuation Assets	\$275,268,562	\$338,895,336
(b) Present Value of Accrued Benefits	403,677,172	475,285,952
(c) Accrued Benefit Funding Ratio	68.2%	71.3%

A more complete analysis appears in the actuarial valuation report. In summary, it is our opinion that the funding progress of the System is satisfactory and the contribution levels are sufficient to support the benefits of the System.

Sincerely,



Robert F. Richardson, MAAA  
Vice President

RFR:jn

## 1.4 ACTUARIAL METHOD AND ASSUMPTIONS

### Valuation of Liabilities

- A. Actuarial Method - Attained Age Normal, also known as Aggregate Method with Supplemental Liability. The unfunded accrued benefit liability is amortized over 25 years.
- B. Actuarial Assumptions -
1. Interest 6% per year, compounded annually, net of investment expenses.
  2. Salary Scale 6% per year until age 39 and 5% per year for ages 40 and up.
  3. Mortality 1971 Group Annuity Mortality Table.
  4. Turnover Based upon the 1976 actual total turnover experience. (See Table 1).
  5. Disability Incidence rates in accordance with Table 2. Post-disability mortality in accordance with rates published by the Pension Benefit Guaranty Corporation to reflect mortality of those receiving disability benefits under Social Security. 94% of the disabilities are assumed to be occupational for police and fire; 28% for others.
  6. Retirement Age The average of age 60 and the earliest age for which unreduced retirement benefits will be available.
  7. Spouse's Age Wives are assumed to be four years younger than husbands.
  8. Contribution Refunds 89% of those terminating before age 50 with 5 to 10 years of service will leave their contributions and thereby retain their deferred vested benefit. All others who terminate after becoming vested are assumed to keep their contributions in the System.
  9. C.O.L.A. 60% of those receiving retirement benefits will be eligible for C.O.L.A.

10. Personal Leave

4.7 days of unused personal leave will be available for each year of service.

11. Expenses

No loading for expenses.

Valuation of Assets

Based upon the three-year average ratio between market and book values of the System's assets.

Valuation of Medical Benefits

Medical benefits for retirees are provided by the payment of premiums from the trust fund. A pre-65 cost and lower post-65 cost (due to Medicare) were assumed such that the total rate for all retirees equals the present premium rate. These medical premiums are then funded with the same actuarial method as other retirement benefits.

TABLE 1  
EMPLOYEE TURNOVER ASSUMPTIONS

<u>Age</u>	<u>Male</u>	<u>Female</u>
20	.3274	.3753
21	.3175	.3710
22	.3076	.3668
23	.2588	.3420
24	.2100	.3180
25	.1750	.2950
26	.1400	.2733
27	.1050	.2516
28	.1043	.2437
29	.1037	.2358
30	.1031	.2280
31	.1025	.2202
32	.1019	.2124
33	.1016	.2043
34	.1013	.1962
35	.1010	.1881
36	.1007	.1800
37	.1004	.1719
38	.0957	.1679
39	.0910	.1639
40	.0863	.1600
41	.0816	.1561
42	.0766	.1522
43	.0753	.1453
44	.0740	.1384
45	.0727	.1315
46	.0714	.1246
47	.0700	.1179
48	.0767	.1150
49	.0834	.1120
50	.0901	.1090
51	.0968	.1060
52	.1037	.1031
53	.1070	.1050
54	.1085	.1069
55	.1100	.1088
56	.1115	.1107
57	.1130	.1126
58	.1135	.1145
59	.1140	.1164
60 and up	.1145	.1183

TABLE 2  
PUBLIC EMPLOYEES' RETIREMENT SYSTEM  
OF ALASKA

Disability Rates

All Employees

Annual Rates Per 1,000 Employees

<u>Age</u>	<u>Rate</u>	<u>Age</u>	<u>Rate</u>
20	.70	45	1.62
21	.71	46	1.76
22	.72	47	1.91
23	.73	48	2.07
24	.74	49	2.23
25	.75	50	2.40
26	.76	51	2.60
27	.78	52	2.86
28	.80	53	3.18
29	.82	54	3.55
30	.84	55	4.00
31	.86	56	4.59
32	.88	57	5.34
33	.90	58	6.10
34	.93	59	7.20
35	.96	60	8.43
36	.99	61	9.75
37	1.03	62	11.30
38	1.07	63	13.05
39	1.11	64	14.90
40	1.15		
41	1.20		
42	1.27		
43	1.36		
44	1.48		

STATE OF ALASKA  
PUBLIC EMPLOYEES' RETIREMENT FUND  
Comparative Statement of Operations

	Fiscal Year Ended	
	June 30, 1981	June 30, 1980
Beginning Equities & Reserves	402,125,897	316,675,507
Additions:		
Employees' Contributions:		
Alaska Commercial Bank	45,615	
Alaska Housing Finance Corporation	27,633	15,776
Alaska Municipal League	3,852	3,344
Alaska, State of	14,067,582	12,121,450
Alaska, University of	1,647,514	1,392,339
Alaska, University of, Geophysical Inst.	139,038	112,405
Alaska Unorganized Borough Schools	(831)	(4,516)
Aleutian Region School District	9,151	9,837
Anchorage, Municipality of	2,308,223	2,148,049
Anchorage School District	1,060,350	958,962
Annette Island School District	11,419	10,267
Bering Straits School District	48,101	26,673
Bethel, City of	15,865	4,939
Bristol Bay Borough	2,500	9,146
Bristol Bay Borough School District	18,945	9,391
Bristol Bay Regional Resource Center	9,803	2,953
Chatham School District	6,504	5,092
Chugach Regional School District	3,159	1,542
Copper River School District	23,283	20,104
Cordova, City of	41,680	35,130
Cordova Community Hospital	24,667	23,260
Cordova Public Schools	11,013	8,611
Craig, City of	3,024	4,223
Dillingham, City of	20,099	19,603
Fairbanks, City of	395,483	281,346
Fairbanks Public Utilities	186,716	256,162
Fairbanks North Star Borough	211,895	200,876
Fairbanks North Star Borough School District	313,455	313,033
Fort Yukon, City of	6,207	4,907
Galena City Schools	8,847	5,566
Haines, Borough of	384	-0-
Haines, City of	17,100	14,111
Hoonah City Schools	11,963	11,848
Iditarod Area Schools	23,571	18,845
Juneau Borough Schools	96,074	61,900
Juneau, City and Borough of	470,659	390,870
Kenai, City of	93,456	82,382
Kenai Peninsula Borough	132,963	120,695
Kenai Peninsula Borough School District	175,684	-0-
Ketchikan, City of	121,548	106,602
Ketchikan Gateway Borough	31,126	38,973
Ketchikan Gateway Borough School District	14,092	7,211
King Cove, City of	7,262	(689)



STATE OF ALASKA  
PUBLIC EMPLOYEES' RETIREMENT FUND  
Comparative Statement of Operations

	Fiscal Year Ended	
	June 30, 1981	June 30, 1980
Additions - Continued:		
Employees' Contributions - Continued		
King Cove City School District	3,486	2,766
Kodiak, City of	97,942	95,279
Kodiak Island Borough	31,880	19,497
Kodiak Island Borough School District	83,994	59,718
Kotzebue, City of	22,336	13,819
Kuspuk School District	25,902	21,911
Lake and Peninsula School District	25,042	20,375
Lower Kuskokwim School District	82,866	81,143
Lower Yukon School District	73,278	58,215
Matanuska-Susitna Borough	103,995	117,375
Matanuska-Susitna Borough School District	98,336	114,227
Nenana, City of	3,710	-0-
Nome, City of	23,245	42,632
Nome City Schools	32,419	33,580
Nome Joint Utilities	13,728	11,216
North Pacific Fisheries Management Council	8,637	10,546
North Pole, City of	10,327	-0-
North Slope Borough	664,875	437,123
North Slope Borough School District	138,025	100,953
Northwest Arctic School District	141,235	100,048
Northwest Regional Resource Center	-0-	(138)
Petersburg, City of	43,262	16,683
Petersburg General Hospital	14,458	45,442
Pribilof Region School District	6,911	5,255
Railbelt School District	17,679	16,600
Saint Paul, City of	4,479	6,198
Sand Point, City of	7,390	5,655
Sand Point City School District	1,974	7,148
Seward, City of	53,628	44,621
Sitka, City of	132,202	113,617
Sitka Community Hospital	38,191	31,074
Sitka Borough School District	36,789	36,811
Skagway, City of	6,324	10,205
Soldotna, City of	23,470	19,672
South Central Regional Resource Center	(4,078)	22,551
Southeast Island School District	10,228	8,716
Southeast Regional Resource Center	13,017	6,574
Southwest Region Schools	35,002	33,071
Unalaska, City of	56,312	35,472
Valdez, City of	116,372	99,015
Valdez City Schools	39,207	33,633
Western Regional Resource Center	5,269	3,919
Wrangell, City of	48,193	38,627
Wrangell City Schools	7,601	5,595
Yukon Flats School District	21,900	31,105
Yukon-Koyukuk School District	33,724	27,501
Total Employees' Contributions (1)	24,321,437	20,898,263

STATE OF ALASKA  
PUBLIC EMPLOYEES' RETIREMENT FUND  
Comparative Statement of Operations

	Fiscal Year Ended	
	June 30, 1981	June 30, 1980
Additions - Continued:		
Employers' Contributions:		
Alaska Commercial Bank	112,339	-0-
Alaska Housing Finance Corporation	84,328	40,433
Alaska Municipal League	19,676	12,685
Alaska, State of	42,674,440	32,465,855
Alaska, University of	4,076,206	3,364,102
Alaska, University of, Geophysical Inst.	325,658	266,694
Alaska Unorganized Borough Schools	-0-	(208)
Aleutian Region School District	23,100	27,478
Anchorage, Municipality of	7,471,627	6,302,851
Anchorage School District	3,227,593	2,844,978
Annette Island School District	30,700	27,699
Bering Straits School District	118,028	63,690
Bethel, City of	18,679	10,126
Bristol Bay Borough	59,176	39,413
Bristol Bay Borough School District	30,468	27,029
Bristol Bay Regional Resource Center	18,329	6,790
Chatham School District	19,605	14,428
Chugach Regional School District	4,992	4,478
Copper River School District	61,694	53,619
Cordova, City of	123,075	86,974
Cordova Community Hospital	84,807	68,162
Cordova Public Schools	38,689	30,107
Craig, City of	7,697	10,592
Dillingham, City of	45,133	36,244
Fairbanks, City of	1,207,055	1,017,873
Fairbanks Public Utilities	655,353	421,446
Fairbanks North Star Borough	566,821	514,345
Fairbanks North Star Borough School District	853,351	735,452
Fort Yukon, City of	13,785	11,942
Galena City Schools	20,339	11,721
Haines, Borough of	984	-0-
Haines, City of	37,664	31,029
Hoonah City Schools	38,167	34,791
Iditarod Area Schools	55,073	38,647
Juneau Borough Schools	288,193	224,350
Juneau City and Borough of	1,045,680	914,051
Kenai, City of	169,862	144,251
Kenai Peninsula Borough	321,721	313,575
Kenai Peninsula Borough School District	837,645	-0-
Ketchikan, City of	357,984	1,041,111
Ketchikan Gateway Borough	96,726	81,807
Ketchikan Gateway Borough School District	26,260	16,681
King Cove, City of	10,914	12,283
King Cove City School District	9,179	7,036

STATE OF ALASKA  
PUBLIC EMPLOYEES' RETIREMENT FUND  
Comparative Statement of Operations

	Fiscal Year Ended	
	<u>June 30, 1981</u>	<u>June 30, 1980</u>
Additions - Continued:		
Employers' Contributions - Continued:		
Kodiak, City of	352,911	262,403
Kodiak Island Borough	121,336	45,207
Kodiak Island Borough School District	291,835	181,945
Kotzebue, City of	43,551	22,179
Kuspuk School District	63,033	46,713
Lake and Peninsula School District	70,770	47,384
Lower Kuskokwim School District	238,611	181,138
Lower Yukon School District	177,744	135,512
Matanuska-Susitna Borough	276,313	234,683
Matanuska-Susitna Borough School District	344,669	292,840
Nenana, City of	11,200	-0-
Nome, City of	49,055	52,331
Nome City Schools	100,530	88,563
Nome Joint Utilities	45,458	31,696
North Pacific Fisheries Management Council	34,011	23,216
North Pole, City of	23,510	-0-
North Slope Borough	1,405,884	990,046
North Slope Borough School District	339,984	232,281
Northwest Arctic School District	370,183	243,940
Petersburg, City of	177,200	203,268
Petersburg General Hospital	46,490	23,371
Pribilof Region School District	16,848	22,470
Railbelt School District	52,580	40,690
Saint Paul, City of	11,574	7,314
Sand Point, City of	19,299	12,416
Sand Point City School District	6,854	7,760
Seward, City of	139,319	128,349
Sitka, City of	386,818	282,415
Sitka Community Hospital	102,737	83,920
Sitka Borough School District	132,352	92,710
Skagway, City of	20,717	22,547
Soldotna, City of	52,647	35,041
South Central Regional Resource Center	552	42,840
Southeast Island School District	23,939	18,395
Southeast Regional Resource Center	22,837	8,592
Southwest Region Schools	90,704	62,946
Unalaska, City of	141,433	77,987
Valdez, City of	335,442	239,694
Valdez City Schools	97,725	76,884
Western Regional Resource Center	13,104	7,545
Wrangell, City of	116,610	99,815

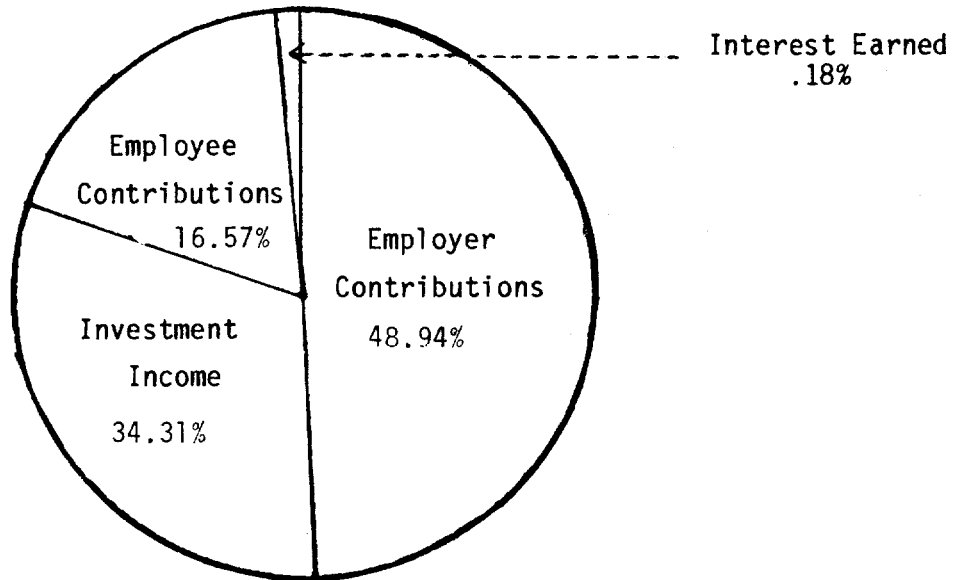
STATE OF ALASKA  
PUBLIC EMPLOYEES' RETIREMENT FUND  
Comparative Statement of Operations

	<u>Fiscal Year Ended</u>	
	<u>June 30, 1981</u>	<u>June 30, 1980</u>
Additions - Continued:		
Employers' Contributions - Continued:		
Wrangell City Schools	30,810	14,419
Yukon Flats School District	55,580	67,104
Yukon-Koyukuk School District	<u>89,152</u>	<u>69,139</u>
Total Employers' Contributions	71,832,706	56,236,318
Interest Earned on Reinstatements	267,258	206,417
Net Investment Income	50,366,085	37,489,889
Market Value Adjustment	<u>(23,940,261)</u>	<u>(4,989,714)</u>
Total Additions	<u>122,847,225</u>	<u>109,841,173</u>
Total Equities, Reserves and Additions	<u>524,973,122</u>	<u>426,516,680</u>
Deductions:		
Administrative Expenses:		
Personal Services	477,247	344,592
Travel	16,603	16,662
Contractual Services	330,147	173,994
Commodities	1,691	2,408
Equipment	4,214	33,352
Capital Outlay	16,837	17,500
Inter-Agency Services	398,000	267,000
System Development	<u>46,970</u>	<u>-0-</u>
Total Administrative Expenses	1,291,709	855,508
Employees' Contributions and Interest Refunded	7,006,149	5,759,464
Employer Contributions Refunded <sup>(2)</sup>	795,864	-0-
Medical Benefit Expenses	3,093,546	1,724,764
Retirement Benefits Paid	<u>19,710,414</u>	<u>16,051,047</u>
Total Deductions	<u>31,897,682</u>	<u>24,390,783</u>
Ending Equities and Reserves	<u>493,075,440</u>	<u>402,125,897</u>

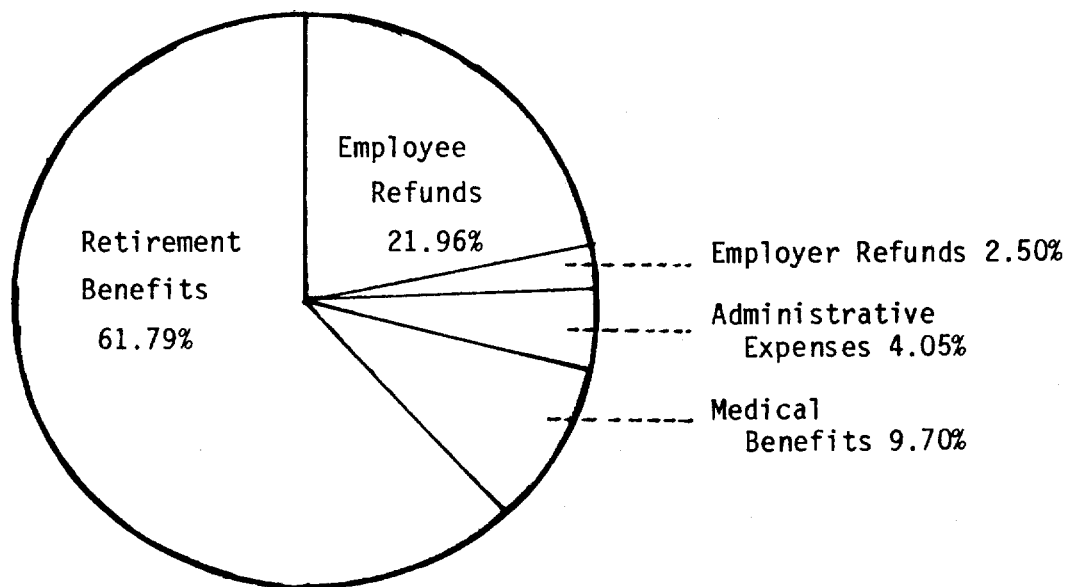
STATE OF ALASKA  
PUBLIC EMPLOYEES' RETIREMENT SYSTEM  
FOOTNOTES TO COMPARATIVE STATEMENT OF OPERATIONS  
JUNE 30, 1981

- (1) The employees' contributions are the net of actual contributions made during the fiscal year and the effect of employees transferring between member employers during the fiscal year.
- (2) The employer contributions refunded of \$795,864 are a one-time only refund of employer contributions. These contributions are for Municipality of Anchorage Firefighters who withdrew from the Public Employees' Retirement System and transferred their contributions and all service credits to the Anchorage Police and Fire Retirement Plan.

State of Alaska  
Public Employees' Retirement System  
Year Ended June 30, 1981  
Income and Receipts  
\$146,787,486



Disbursements  
\$31,897,682



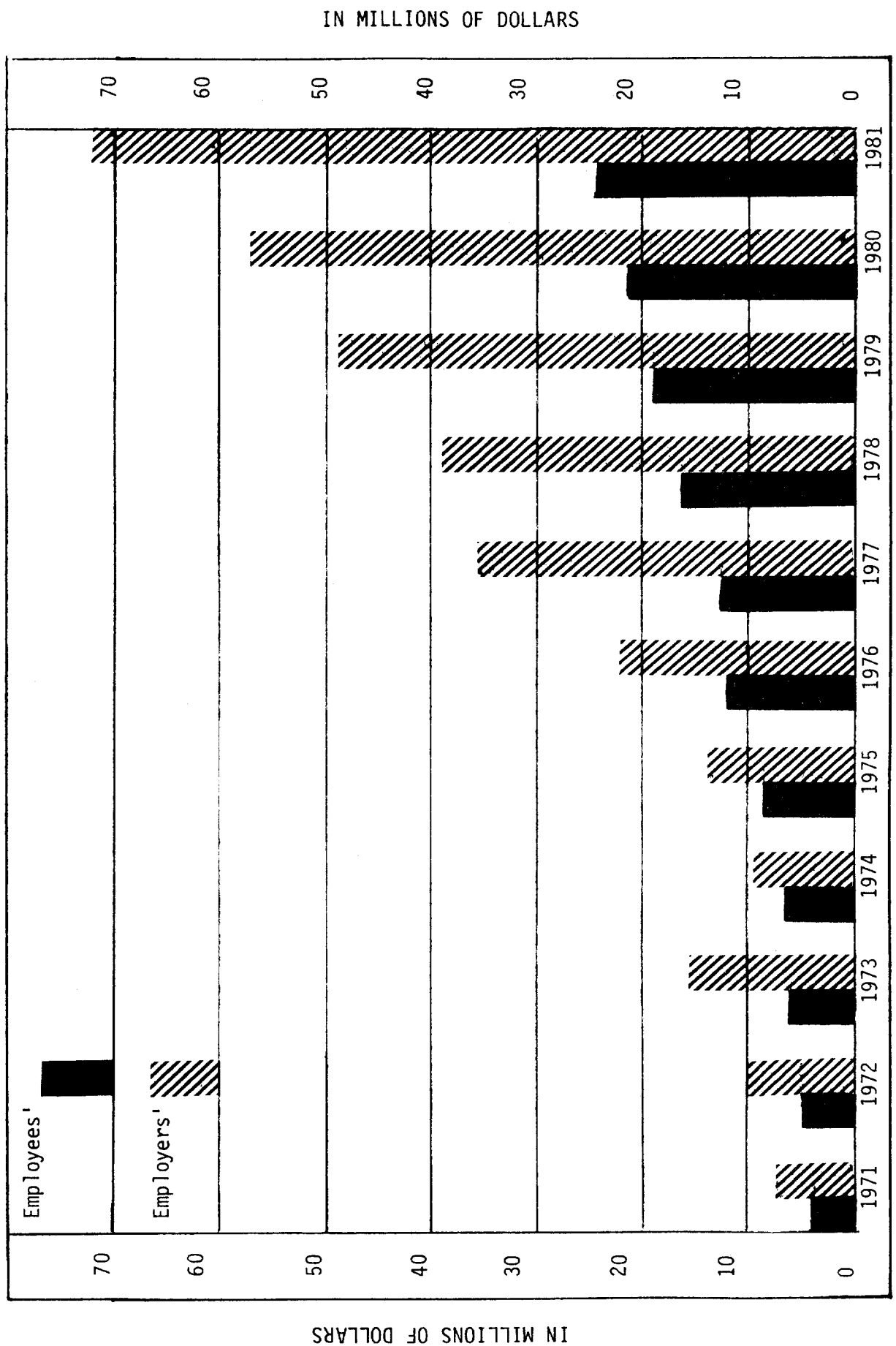
STATE OF ALASKA

PUBLIC EMPLOYEES' RETIREMENT FUND  
Historical Data  
Fiscal Years 1971 through 1981  
(cents omitted)

Fiscal Year	Assets Fiscal Year End	Employers' Contributions During Fiscal Year	Employees' Contributions During Fiscal Year	Benefits Paid Including Medical Expenses & Death Benefits	Employees' Contributions and Interest Refunded During Fiscal Year	Net Investment Income During Fiscal Year
1971	41,444,559	7,408,647	3,568,932	315,390	882,218	1,756,740
1972	57,285,001	9,957,962	4,677,640	565,551	1,144,434	3,252,779
1973	80,116,285	15,269,037	6,636,276	1,120,276	1,643,831	3,345,726
1974	89,606,549	9,439,931	6,805,053	1,714,642	2,334,265	2,270,806
1975	107,556,336	13,435,344	8,449,474	2,810,321	3,163,052	2,365,398
1976	141,988,644	22,712,558	12,348,074	4,842,542	3,758,719	8,367,857
1977	190,954,572	34,881,182	13,438,538	7,607,162	3,816,748	12,602,465
1978	246,662,043	38,735,575	16,176,433	11,005,738	4,345,592	16,612,594
* 1979	316,675,507	47,613,575	17,631,003	14,947,478	4,978,848	25,177,371
1980	402,125,897	56,236,318	20,898,263	17,775,811	5,759,464	37,489,889
1981	493,075,440	71,832,706	24,321,437	22,803,960	7,006,149	50,366,085

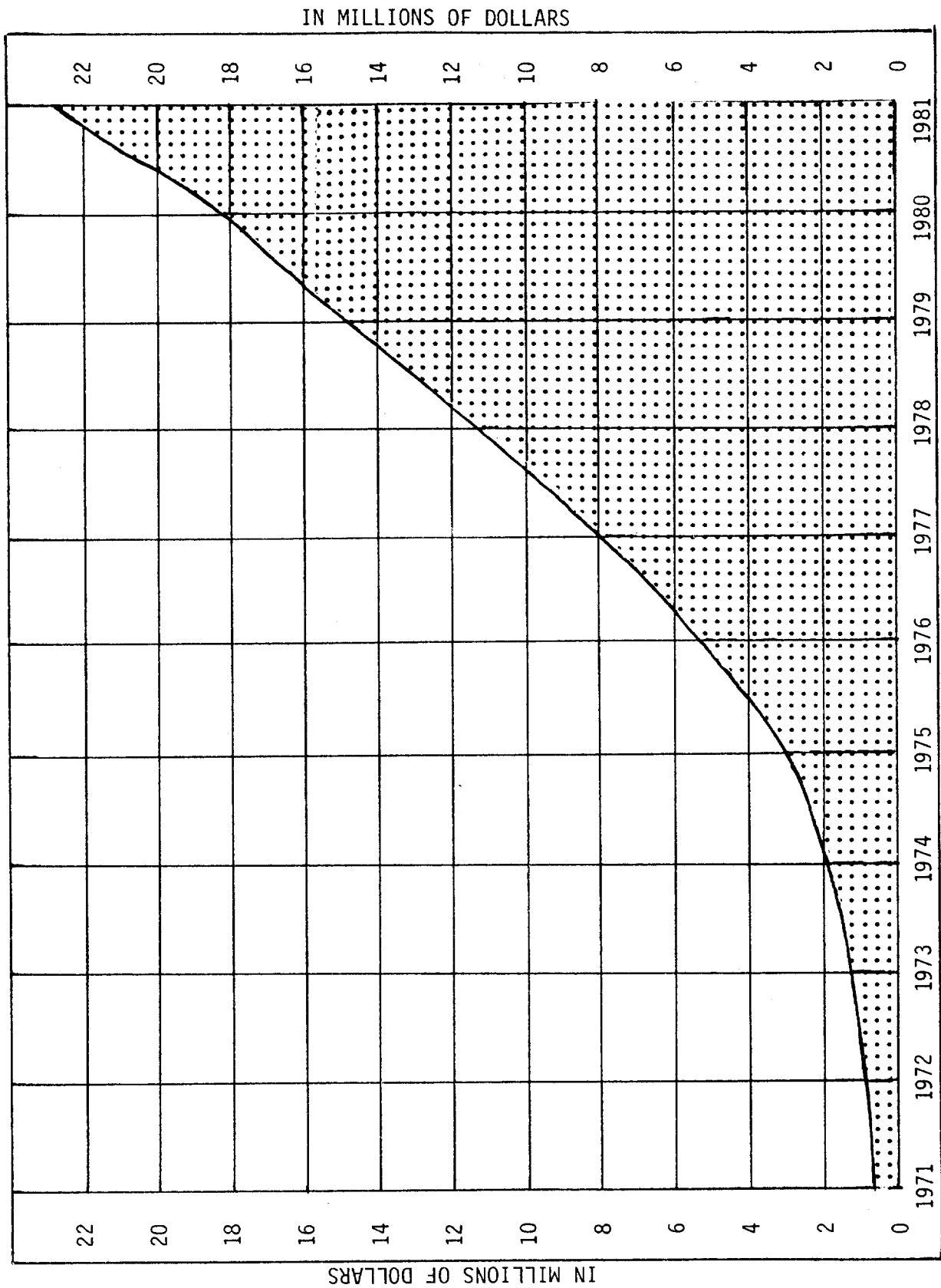
\* Figures presented on an accrual basis effective FY 1979.

PUBLIC EMPLOYEES' RETIREMENT FUND  
Employees' and Employers' Contributions  
Fiscal Years 1971 through 1981

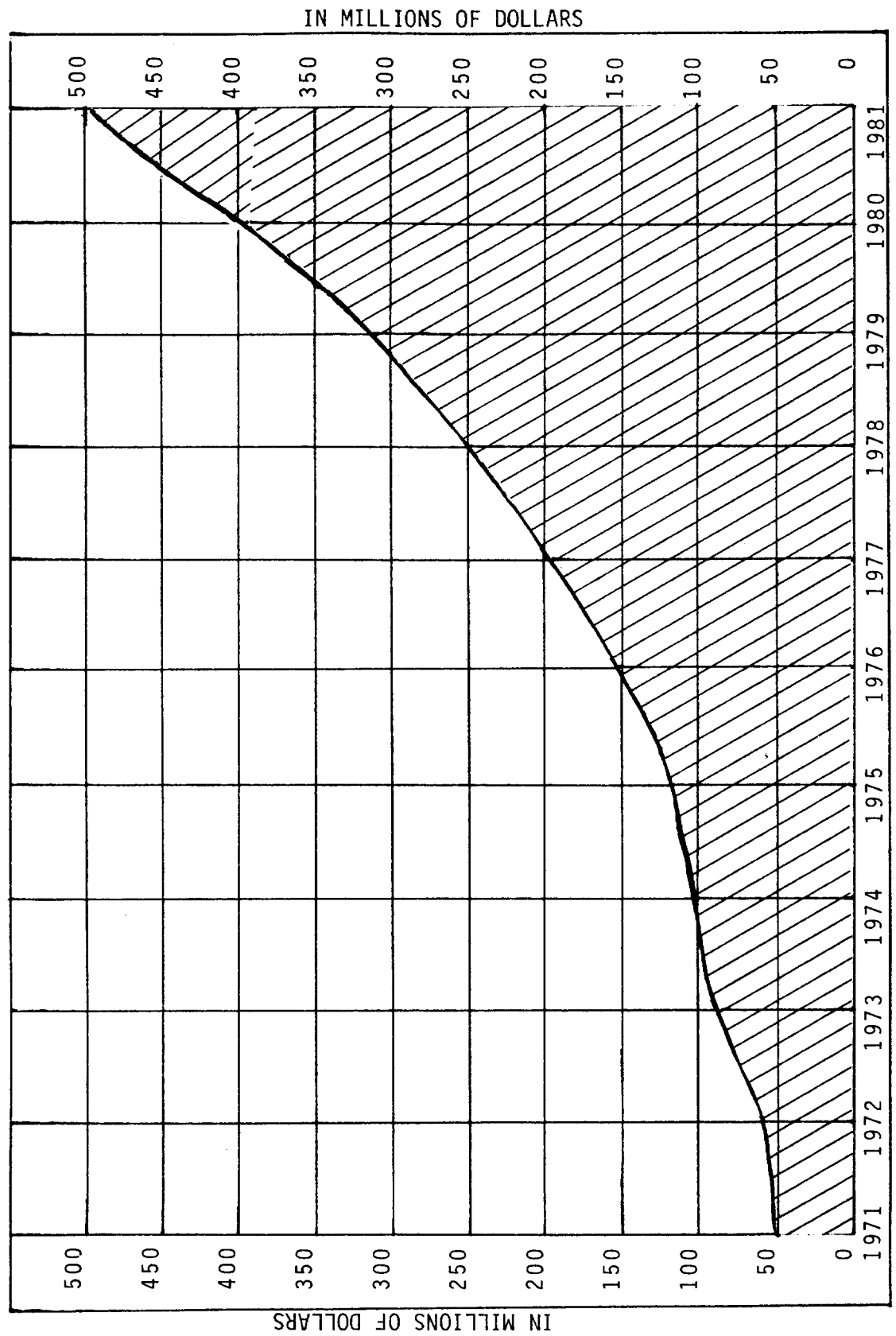




PUBLIC EMPLOYEES' RETIREMENT FUND  
Benefits Paid  
Fiscal Years 1971 through 1981



STATE OF ALASKA  
PUBLIC EMPLOYEES' RETIREMENT FUND  
TOTAL ASSETS  
FISCAL YEARS 1971 THROUGH 1981



STATE OF ALASKA  
PUBLIC EMPLOYEES' RETIREMENT FUND  
Employer Contribution Rates  
Fiscal Year 1981

<u>Employer</u>	<u>Percentage</u>
Alaska Commercial Bank	10.57
Alaska Housing Finance Corporation	12.97
Alaska Municipal League	21.71
Alaska, State of	13.66
Alaska, University of	11.05
Alaska, University of, Geophysical Institute	11.05
Aleutian Region School District	10.96
Anchorage, Municipality of	13.75
Anchorage School District	13.56
Annette Island School District	10.96
Bering Straits School District	10.63
Bethel, City of	9.67
Bristol Bay Borough	19.46
Bristol Bay Borough School District	12.73
Bristol Bay Regional Resource Center	10.53
Chatham School District	12.81
Chugach Regional School District	6.91
Copper River School District	11.69
Cordova, City of	13.18
Cordova Community Hospital	13.25
Cordova Public Schools	14.93
Craig, City of	10.89
Dillingham, City of	11.35
Fairbanks, City of	15.05
Fairbanks Public Utilities	15.05
Fairbanks North Star Borough	11.29
Fairbanks North Star Borough School District	11.29
Fort Yukon, City of	9.91
Galena City Schools	9.77
Haines Borough	10.89
Haines, City of	9.87
Hoonah City Schools	13.56
Iditarod Area Schools	9.95
Juneau Borough Schools	12.80
Juneau, City and Borough of	9.38
Kenai, City of	8.64
Kenai Peninsula Borough	12.10
Kenai Peninsula Borough School District	13.70
Ketchikan, City of	14.39
Ketchikan Gateway Borough	10.51
Ketchikan Gateway Borough School District	10.87
King Cove, City of	6.91
King Cove City School District	11.19

STATE OF ALASKA  
PUBLIC EMPLOYEES' RETIREMENT FUND  
Employer Contribution Rates  
Fiscal Year 1981

continued -

<u>Employer</u>	<u>Percentage</u>
Kodiak, City of	14.18
Kodiak Island Borough	12.67
Kodiak Island Borough School District	14.40
Kotzebue, City of	8.65
Kuspuk School District	9.83
Lake and Peninsula School District	11.27
Lower Kuskokwim School District	11.21
Lower Yukon School District	10.68
Matanuska-Susitna Borough	12.68
Matanuska-Susitna Borough School District	12.68
Nome, City of	9.83
Nome City Schools	13.91
Nome Joint Utilities	14.14
North Pacific Fisheries Management Council	10.89
North Pole, City of	10.57
North Slope Borough	10.33
North Slope Borough School District	10.36
Northwest Arctic School District	11.30
Petersburg, City of	14.33
Petersburg General Hospital	13.82
Pribilof Region School District	10.36
Railbelt School District	11.76
Saint Paul, City of	9.54
Sand Point, City of	11.37
Sand Point City School District	9.89
Seward, City of	11.64
Sitka, City of	14.60
Sitka Community Hospital	11.78
Sitka Borough School District	14.60
Skagway, City of	8.92
Soldotna, City of	11.52
South Central Regional Resource Center	9.67
Southeast Island School District	9.98
Southeast Regional Resource Center	9.07
Southwest Region Schools	10.69
Unalaska, City of	10.62
Valdez, City of	12.88
Valdez City Schools	10.46
Western Regional Resource Center	10.57
Wrangell, City of	12.36
Wrangell City Schools	17.27
Yukon Flats School District	11.45
Yukon-Koyukuk School District	11.22

STATE OF ALASKA

TEACHERS '  
RETIREMENT  
FUND

BOARD MEMBERS

<u>Name</u>	<u>Term Expires</u>
Merritt C. Olson, Chairman	January 31, 1983
Jane Gustafson	June 30, 1984
Steve Kinney	January 31, 1984
Harry Purdy	June 30, 1984
Dorothy Wells	January 31, 1982

Paul B. Arnoldt, Director  
Division of Retirement and Benefits  
Alaska Teachers' Retirement System

We have examined the statement of net assets available for benefits of the Alaska Teachers' Retirement System as of June 30, 1981, and the related statement of changes in net assets available for benefits for the year then ended. Our examination was made in accordance with generally accepted auditing standards and, accordingly, included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances. The financial statements of the Alaska Teachers' Retirement System for the year ended June 30, 1980, were examined by other auditors whose report dated October 3, 1980, expressed an unqualified opinion on those statements.

In our opinion, the 1981 financial statements referred to above present fairly the net assets available for benefits of the Alaska Teachers' Retirement System as of June 30, 1981, and the changes in net assets available for benefits for the year then ended, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

Our examination has been made primarily for the purpose of forming an opinion stated in the preceding paragraph. The data contained in the accompanying schedule of investments held at June 30, 1981, although not considered necessary for a fair presentation of the net assets available for benefits and changes therein, are presented as accompanying information and have been subjected to the audit procedures applied in the examination of the basic financial statements. In our opinion, these data are fairly stated in all material respects in relation to the basic financial statements taken as a whole.

*Main Hurdman*

October 8, 1981

ALASKA TEACHERS' RETIREMENT SYSTEM  
STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS  
June 30, 1981 and 1980

<u>ASSETS</u>	<u>1981</u>	<u>1980</u>
Cash	\$ 1,582,187	\$ 618,398
Certificates of deposit and other short-term investments, at market value (cost - \$21,433,197 and \$41,149,993)	21,729,175	42,616,311
Investment securities		
United States securities, at market value (cost - \$107,247,400 and \$92,415,126)	85,922,770	84,593,216
Other bonds, notes and debentures at market value (cost - \$26,648,905 and \$28,767,299)	17,713,523	24,369,212
Gold committed on futures contracts at market value (cost - \$20,905,555 and \$-0-)	19,750,310	
Common stocks, at market value (cost - \$53,469,697 and \$32,997,711)	56,920,098	35,718,963
Convertible stock, at market value (cost - \$533,880 and \$-0-)	461,625	
Real estate equity fund, at market value (cost - \$21,250,000 and \$-0-)	22,694,605	
Real estate mortgages and Small Business Administration loans at cost	134,867,500	123,051,589
Contributions receivable	8,952,431	5,938,333
Accrued investment income	4,064,488	4,477,424
Other receivables		70,926
	<u>374,658,712</u>	<u>321,454,372</u>
 <u>LIABILITIES</u>		
Accrued expenses	<u>1,405,631</u>	<u>1,140,079</u>
Net assets available for benefits	<u>\$373,253,081</u>	<u>\$320,314,293</u>

The accompanying notes are an integral part of these financial statements.

ALASKA TEACHERS' RETIREMENT SYSTEM  
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS  
Years Ended June 30, 1981 and 1980

	<u>1981</u>	<u>1980</u>
Net assets available for benefits		
Beginning of year	<u>\$320,314,293</u>	<u>\$267,043,332</u>
Unrealized increase (decrease) in market value of investments held at year end, net	<u>(19,017,496)</u>	<u>(6,493,850)</u>
Additions		
Employee contributions	18,853,076	16,650,594
Employer contributions and state match	37,653,917	31,243,171
Investment income	39,180,591	31,783,301
Interest on members' indebtedness	<u>622,790</u>	<u>490,855</u>
	<u>96,310,374</u>	<u>80,167,921</u>
Deductions		
Medical benefit expense	1,590,476	914,136
Retirement benefits paid	18,413,659	15,548,263
Refunds to terminated members	3,172,253	3,087,910
Administrative expenses	<u>1,177,702</u>	<u>852,801</u>
	<u>24,354,090</u>	<u>20,403,110</u>
Net assets available for benefits		
End of year	<u><u>\$373,253,081</u></u>	<u><u>\$320,314,293</u></u>

The accompanying notes are an integral  
part of these financial statements.



# ALASKA TEACHERS' RETIREMENT SYSTEM

## NOTES TO FINANCIAL STATEMENTS

### Summary of Significant Accounting Policies

#### Basis of Accounting

The System maintains its accounting records on the cash basis of accounting. Financial statements are presented on the accrual basis of accounting. During the preparation of these statements, adjustments were made to convert from the cash to the accrual basis.

#### Investments

Investments, other than real estate mortgages and the Small Business Administration loans, are carried at aggregate market value to reflect the asset values of the System at June 30, 1981 and 1980. This method of valuation is considered proper because the System actively trades marketable securities in its portfolio and the System is not committed to holding these investments for a long period of time. Investment income consists of interest, dividends and gain or losses generated by the sale of investments.

The investment in gold committed on futures contracts consists of 34,088.545 fine troy ounces which have been hedged through three gold bullion sales contract agreements as follows:

<u>Amount of fine troy ounces</u>	<u>Average cost of gold</u>	<u>Settlement date</u>	<u>Price at settle- ment date</u>
14,550.047	\$662	February 21, 1984	\$690
15,027.443	601	March 5, 1984	660
4,511.055	497	September 14, 1981	497

The investment is valued at the price quoted at June 30, 1981 for forward sales contracts maturing on the above listed settlement dates.

Real estate mortgages and Small Business Administration loans are stated at cost. The market value of these mortgages and loans is not compiled or presented within the financial statements as it is the intent of management to hold these investments until maturity.

#### Contributions Receivable

Contributions receivable from employees and matching contributions from employers for service through June 30, 1981 are accrued. No allowance for doubtful accounts has been considered necessary by System management.

### Description of the System

#### Administration of the System

The Alaska Teachers' Retirement System is a statewide retirement plan established in 1929. Territorial and state legislatures have repealed and established new retirement systems several times with the last major revision to the System as a whole occurring in 1955. Since that time, the legislature has amended the 1955 Act to extend coverage of the Act and to liberalize benefits to participants.

# ALASKA TEACHERS' RETIREMENT SYSTEM

## NOTES TO FINANCIAL STATEMENTS (Continued)

### Description of the System (Continued)

#### Employee Contributions

Member contributions are established by statute at 7 percent of total compensation. This is deducted from the members' salary and remitted by participating employers.

#### Employer Contributions

Employer contribution rates are determined by an actuarial formula which are estimated to be sufficient to annually fund current service costs and fund past service costs over thirty years.

#### Types of Benefits

Benefits provided to eligible members include full retirement benefits, early retirement benefits, disability pension benefits, medical insurance coverage, cost of living allowance and other benefits. Upon termination, members' contributions, plus accrued interest, are refundable.

#### Statutes

Benefits and eligibility requirements are specified in the Alaska Teachers' Retirement System - Statutes, July 1, 1980, as amended. Pamphlets describing the Alaska Teachers' Retirement System are available from the State of Alaska, Division of Retirement and Benefits.

### Conversion to Accrual Basis Accounting

The effects of the accrual adjustments follow:

	<u>1981</u>	<u>1980</u>
Net assets available for benefits, cash basis at June 30	\$388,691,786	\$319,070,952
Adjustments to reflect conversion to accrual basis of accounting		
Accrued contributions receivable	8,952,431	5,938,333
Accrued investment income	4,064,488	4,477,424
Accrued refunds payable and certain other expenses	(1,405,791)	(1,140,079)
Adjustments to reflect change in method of valuation of marketable securities and gold	<u>(27,049,833)</u>	<u>(8,032,337)</u>
Net assets available for benefits at June 30, as presented in the accompanying financial statements	<u>\$373,253,081</u>	<u>\$320,314,293</u>

# ALASKA TEACHERS' RETIREMENT SYSTEM

## NOTES TO FINANCIAL STATEMENTS (Continued)

### Actuarial Determination

The System's consulting actuary, William M. Mercer, Incorporated, estimated the present value of accrued benefits to be \$465,722,763 at June 30, 1980.

Contributions to the System are based upon recommendations from the actuary utilizing the actuarial cost method described below.

Significant assumptions underlying the June 30, 1980 determinations are as follows:

Actuarial cost method	Attained age normal, unfunded accrued benefit liability amortized over 30 years.
Mortality basis	1971 Group Annuity Mortality Table.
Retirement age	Average of age sixty and the earliest age for which the member would be eligible for normal retirement benefits.
Interest rate	Six percent per annum, compounded annually, net of investment expenses.
Salary scale	Six percent per annum, compounded annually to age thirty-nine; five percent thereafter.
Cost of living adjustment (Domiciled in Alaska)	Forty-nine percent of those receiving benefits will be eligible to receive the cost of living adjustment.
Contribution refunds	Eighty-five percent of those terminating before age fifty with eight to twelve years of service will leave their contributions and thereby retain their deferred vested benefit. All others who terminate after becoming vested are assumed to keep their contributions in the System.
Asset valuation	Adjusted market basis using the three year average relationship between market value and cost.

Turnover and disability assumptions are based upon actual historical occurrence rates of the System.

# ALASKA TEACHERS' RETIREMENT SYSTEM

## NOTES TO FINANCIAL STATEMENTS (Continued)

### Subsequent Events

On September 14, 1981, the Alaska Teachers' Retirement System fulfilled its obligation under one of its forward sales contracts by substituting 4,511.055 ounces of gold purchased on that date at a cost of \$442 per ounce. A gain was realized for the Teachers' Retirement System of \$248,108.

### Statement of Financial Accounting Standards No. 35

The Financial Accounting Standards Board has issued Statement of Financial Accounting Standards No. 35, "Accounting and Reporting by Defined Benefit Pension Plans", which is effective for plan years beginning after December 15, 1980, however, it has not been determined whether this will apply to the Teachers' Retirement System.

Benefit Services / Consulting Actuaries

October 10, 1980

Mr. Paul Arnoldt, Director  
State of Alaska  
Department of Administration  
Division of Retirement & Benefits  
Pouch CR  
Juneau, Alaska 99811

Actuarial Status -  
Alaska Teachers' Retirement System

Dear Paul:

This is a brief statement to outline the actuarial status of the Alaska Teachers' Retirement System. The actuarial valuation which we perform each year has the following objectives:

- (1) To examine the status of funding of the System.
- (2) To develop a contribution rate which is adequate to support the benefits of the System.

The actuarial valuation of the Alaska Teachers' Retirement System as of June 30, 1980 is based upon the actuarial assumptions and methods which were adopted by the Retirement Board in March, 1978. The more significant results are as follows:

Contribution Rates

Contribution rates as a percent of earnings have increased due to many factors, including legislative changes, unrealized market value losses in assets, a large increase in post-retirement medical premiums, and demographic changes. The following table summarizes these rates:

	--- Valuation Date ---	
	<u>6-30-79</u>	<u>6-30-80</u>
(a) Normal Cost Rate	11.86%	11.95%
(b) Past Service Rate	3.72%	4.89%
(c) Total Contribution Rate	15.58%	16.84%

Mr. Paul Arnoldt  
Page Two  
October 10, 1980

Funding Progress

One of the best measures of a pension plan's funding progress is the growth of assets relative to the present value of accrued benefits. Liabilities increased more than anticipated during the year, while assets incurred large losses. Consequently, the accrued benefit funding ratio decreased.

	--- Valuation Date ---	
	<u>6-30-79</u>	<u>6-30-80</u>
(a) Valuation Assets	\$266,006,982	\$311,417,814
(b) Present Value of Accrued Benefits	370,196,776	465,722,763
(c) Accrued Benefit Funding Ratio	71.9%	66.9%

A more complete analysis appears in the actuarial valuation report. In summary, it is our opinion that the funding progress of the System is satisfactory and the contribution levels are sufficient to support the benefits of the System.

Sincerely,



Robert F. Richardson, MAAA  
Vice President

RFR:jn

TABLE 2  
TEACHERS' RETIREMENT SYSTEM  
STATE OF ALASKA  
DISABILITY RATES  
ANNUAL RATES PER 1,000 EMPLOYEES

<u>Age</u>	<u>Rate</u>	<u>Age</u>	<u>Rate</u>
20	.70	45	1.62
21	.71	46	1.76
22	.72	47	1.91
23	.73	48	2.07
24	.74	49	2.23
25	.75	50	2.40
26	.76	51	2.60
27	.78	52	2.86
28	.80	53	3.18
29	.82	54	3.56
30	.84	55	4.00
31	.86	56	4.59
32	.88	57	5.34
33	.90	58	6.10
34	.93	59	7.20
35	.96	60	8.43
36	.99	61	9.75
37	1.03	62	11.30
38	1.07	63	13.05
39	1.11	64	14.90
40	1.15		
41	1.20		
42	1.27		
43	1.36		
44	1.48		

TABLE 1  
TEACHERS' RETIREMENT SYSTEM  
STATE OF ALASKA  
EMPLOYEE TURNOVER RATES

<u>Age</u>	<u>Male</u>	<u>Female</u>
20	.0600	.0600
21	.0582	.0607
22	.0563	.0614
23	.0537	.0623
24	.0511	.0669
25	.0485	.0715
26	.0456	.0761
27	.0432	.0809
28	.0448	.0888
29	.0464	.0967
30	.0480	.1046
31	.0496	.1125
32	.0510	.1204
33	.0562	.1200
34	.0614	.1195
35	.0666	.1190
36	.0718	.1195
37	.0769	.1181
38	.0791	.1109
39	.0813	.1037
40	.0835	.0965
41	.0857	.0893
42	.0880	.0823
43	.0882	.0800
44	.0884	.0777
45	.0886	.0754
46	.0888	.0731
47	.0889	.0714
48	.0890	.0707
49	.0880	.0700
50 and up	.0870	.0700



Valuation of Assets

Based upon the three-year average ratio between market and book values of the System's assets.

Valuation of Medical Benefits

Medical benefits for retirees are provided by the payment of premiums from the trust fund. A pre-65 cost and lower post-65 cost (due to Medicare) were assumed such that the total rate for all retirees equals the present premium rate. These medical premiums are then funded with the same actuarial method as other retirement benefits.

## 1.4 ACTUARIAL METHOD AND ASSUMPTIONS

### Valuation of Liabilities

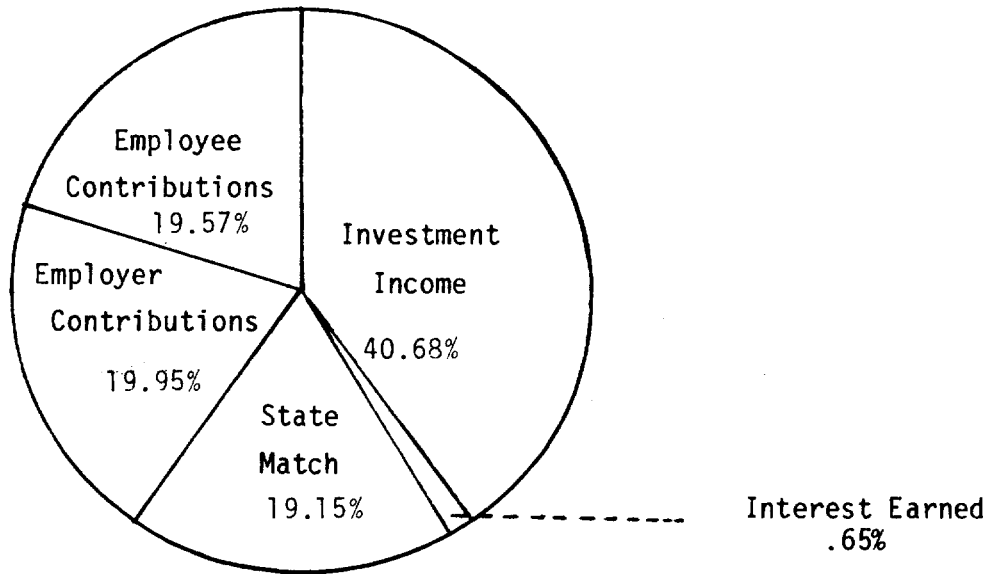
- A. Actuarial Method - Attained Age Normal, also known as Aggregate Method with Supplemental Liability. The unfunded accrued benefit liability is amortized over 30 years.
- B. Actuarial Assumptions -
1. Interest 6% per year, compounded annually, net of investment expenses.
  2. Salary Scale 6% per year until age 39 and 5% per year for ages 40 and up.
  3. Mortality 1971 Group Annuity Mortality Table.
  4. Turnover Based upon the 1976-77 actual total turnover experience. (See Table 1).
  5. Disability Incidence rates in accordance with Table 2. Post-disability mortality in accordance with rates published by the Pension Benefit Guaranty Corporation to reflect mortality of those receiving disability benefits under Social Security.
  6. Retirement Age The average of age 60 and the earliest age for which unreduced retirement benefits will be available.
  7. Spouse's Age Wives are assumed to be four years younger than husbands.
  8. Contribution Refunds 85% of those terminating before age 50 with 8 to 12 years of service will leave their contributions and thereby retain their deferred vested benefit. All others who terminate after becoming vested are assumed to keep their contributions in the System.
  9. C.O.L.A. 49% of those receiving retirement benefits will be eligible for C.O.L.A.
  10. Sick Leave 4.7 days of sick leave will be available for each year of service.
  11. Expenses No loading for expenses.

STATE OF ALASKA  
TEACHERS' RETIREMENT FUND  
Comparative Statement of Operations

	Fiscal Year Ended	
	June 30, 1981	June 30, 1980
Beginning Equities and Reserves	\$320,314,293	\$267,043,332
Additions:		
Employees' Contributions:		
Mandatory	17,304,520	15,315,086
Supplemental	759,383	694,500
Reinstatement	127,847	86,912
Arrearage	602,832	527,899
Retroactive	55,043	36,696
Retirement Option Payback	3,451	(10,499)
Total Employees' Contributions	18,853,076	16,650,594
Employers' Contributions	19,209,651	16,317,019
State Contributions - Matching	18,444,266	14,926,152
Net Investment Income	39,180,591	31,783,301
Market Value Adjustment	(19,017,496)	(6,493,850)
Interest Earned on Employees' Indebtedness	622,790	490,855
Total Additions	77,292,878	73,674,071
Total Equities, Reserves and Additions	\$397,607,171	\$340,717,403
Deductions:		
Administrative Expenses:		
Personal Services	451,627	384,199
Travel	17,058	20,037
Contractual Services	259,264	126,770
Commodities	1,680	1,970
Equipment	5,118	33,925
Capital Outlay	18,185	18,900
Inter-Agency Services	377,800	267,000
System Development	46,970	-0-
Total Administrative Expenses	1,177,702	852,801
Employees' Contributions and Interest Refunded	3,172,253	3,087,910
Medical Benefit Expenses	1,590,476	914,136
Retirement Benefits Paid	18,413,659	15,548,263
Total Deductions	24,354,090	20,403,110
Ending Equities and Reserves	\$373,253,081	\$320,314,293

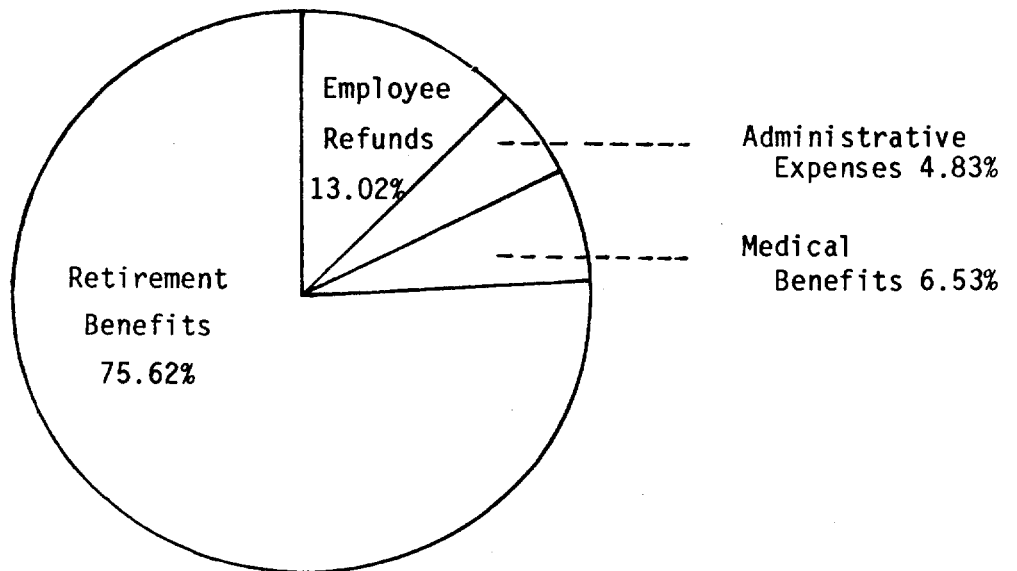
State of Alaska  
Teachers' Retirement System  
Year Ended June 30, 1981  
Income and Receipts

\$96,310,374



Disbursements

\$24,354,090

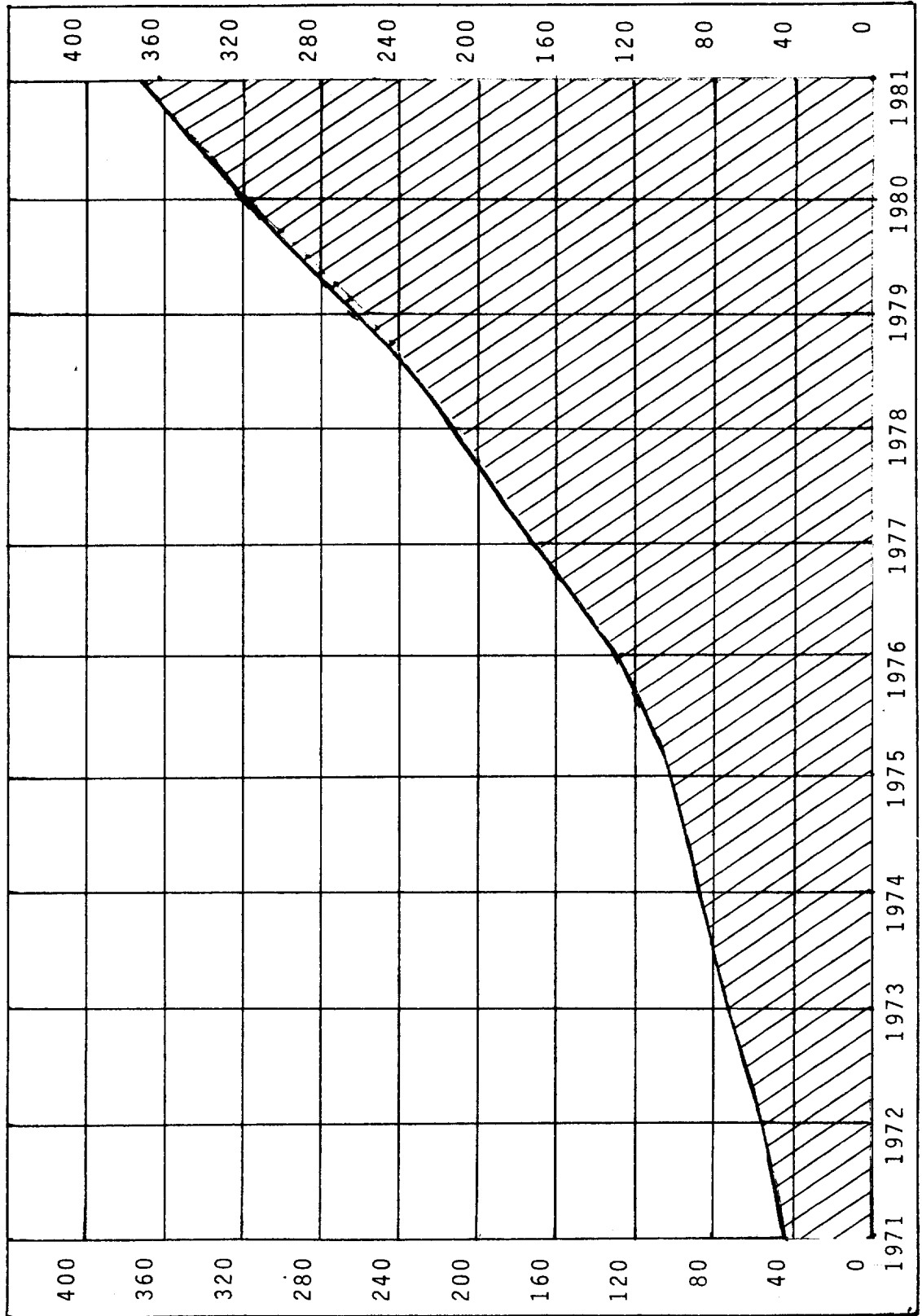


STATE OF ALASKA  
TEACHERS' RETIREMENT FUND  
Historical Data  
Fiscal Years 1971 through 1981  
(cents omitted)

Fiscal Year	Assets Fiscal Year End	Employers' Contributions During Fiscal Year	Employees' Contributions During Fiscal Year	Benefits Paid Including Medical Expenses & Death Benefits	Employees' Contributions and Interest Refunded During Fiscal Year	Net Investment Income During Fiscal Year
1971	44,985,043	6,408,602	5,284,693	1,057,714	641,652	2,199,640
1972	58,400,298	7,470,707	5,713,570	1,817,534	790,808	2,931,286
1973	73,979,377	9,543,907	6,820,652	2,493,491	1,312,958	3,181,537
1974	89,794,395	8,770,748	8,628,798	3,642,667	1,419,832	4,287,131
1975	105,797,313	11,526,213	9,147,206	4,574,494	1,896,431	1,844,773
1976	137,623,382	19,348,436	11,590,177	6,390,012	1,926,611	9,240,962
1977	177,345,467	24,030,230	12,162,883	8,161,421	1,859,829	13,583,578
1978	215,370,551	19,792,849	15,510,483	11,025,589	2,319,376	16,051,252
* 1979	267,043,332	26,558,644	15,142,057	13,838,067	2,419,936	22,311,725
1980	320,314,293	31,243,171	16,650,594	16,462,399	3,087,910	31,783,301
1981	373,253,081	37,653,917	18,853,076	20,004,135	3,172,253	39,180,591

\*Figures presented on an accrual basis effective FY 1979.

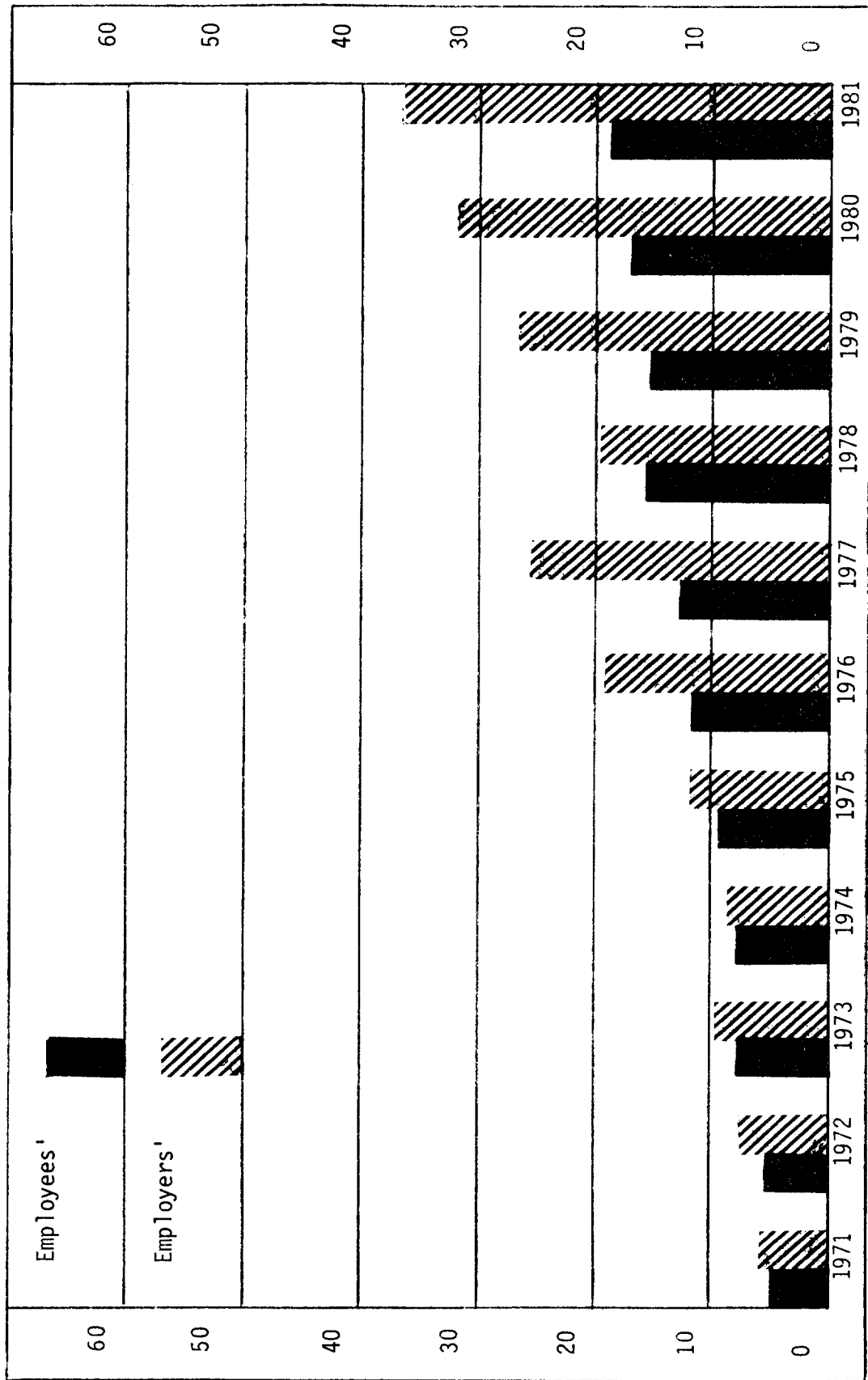
STATE OF ALASKA  
TEACHERS' RETIREMENT FUND  
TOTAL ASSETS  
FISCAL YEARS 1971 THROUGH 1981



IN MILLIONS OF DOLLARS

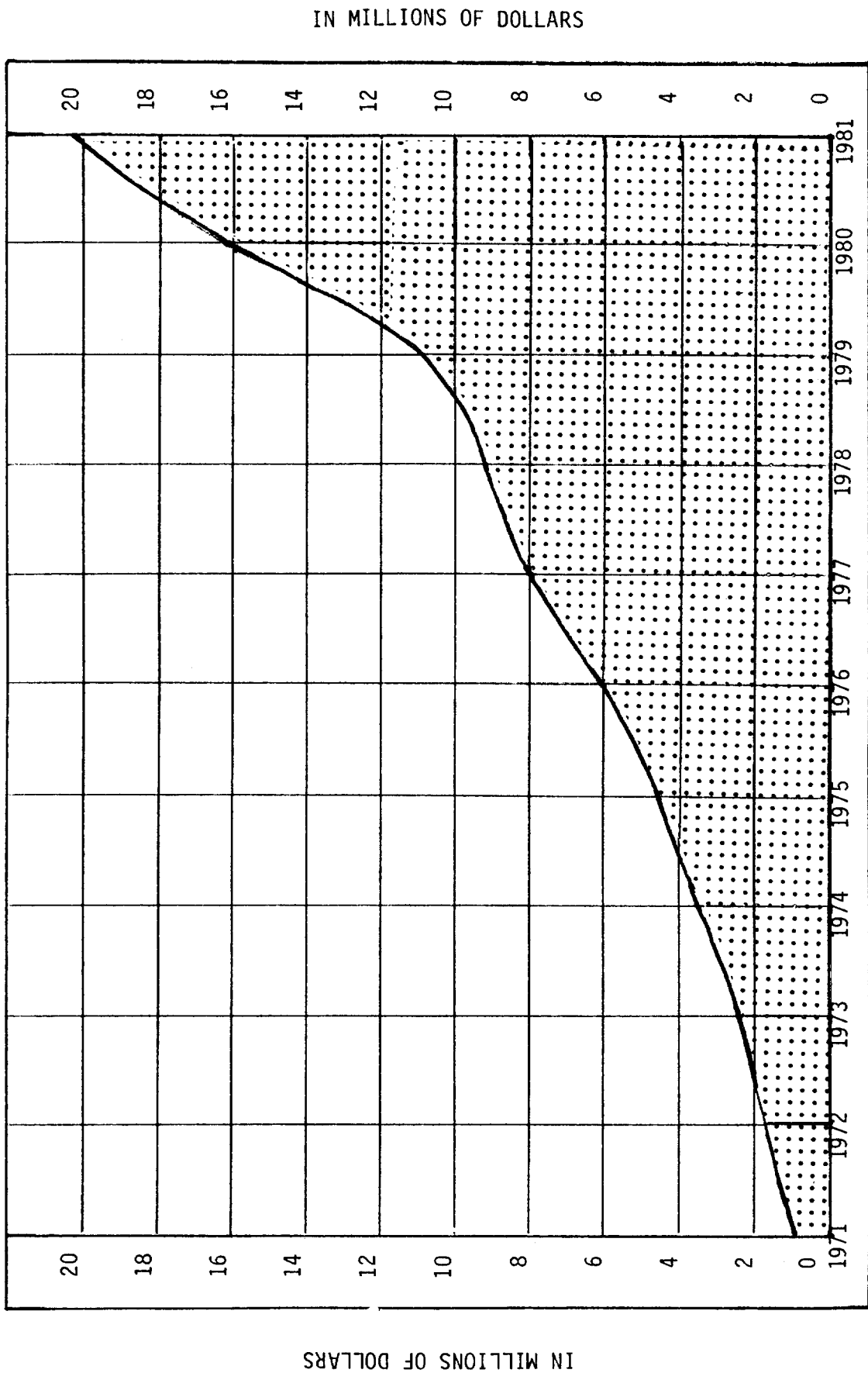
IN MILLIONS OF DOLLARS

TEACHERS' RETIREMENT FUND  
Employees' and Employers' Contributions  
Fiscal Years 1971 through 1981



IN MILLIONS OF DOLLARS

TEACHERS' RETIREMENT FUND  
Benefits Paid  
Fiscal Years 1971 through 1981





STATE OF ALASKA  
TEACHERS' RETIREMENT FUND  
Employer Contribution Rates  
For Fiscal Year 1981

<u>Employer</u>	<u>Percentage</u>
Adak Region School District	7.87
Alaska Gateway Schools	
Alaska, University of	
Alaska, University of, Geophysical Institute	
Aleutian Region School District	
Anchorage School District	
Annette Island School District	
Bering Straits School District	
Bristol Bay Borough School District	
Bristol Bay Regional Resource Center	
Chatham School District	
Chugach Region School District	
Copper River School District	
Cordova School District	
Craig School District	
Delta-Greely School District	
Department of Education, State of Alaska	
Dillingham School District	
Fairbanks North Star Borough School District	
Galena City Schools	
Haines School District	
Hoonah City Schools	
Hydaburg School District	
Iditarod Area School District	
Juneau Borough School District	
Kake City Schools	
Kenai Peninsula Borough School District	
Ketchikan Gateway Borough School District	
King Cove City Schools	
Klawock City Schools	
Kodiak Island Borough School District	
Kuspuk School District	
Lake and Peninsula School District	
Lower Kuskokwim School District	
Lower Yukon School District	
Matanuska-Susitna Borough School District	
National Education Association	
Nenana School District	
Nome City Schools	
North Slope Borough School District	
Northwest Arctic School District	
Pelican School District	

STATE OF ALASKA  
TEACHERS' RETIREMENT FUND  
Employer Contribution Rates  
For Fiscal Year 1981

Continued -

<u>Employer</u>	<u>Percentage</u>
Petersburg City Schools	7.87
Pribilof Region School District	-----
Railbelt School District	-----
Sand Point School District	-----
Sitka Borough School District	-----
Skagway City School District	-----
Southeast Islands School District	-----
Southeastern Regional Resource Center	-----
Southcentral Regional Resource Center	-----
Southwest Region School District	-----
St. Mary's School District	-----
State Legislature	-----
Unalaska School District	-----
Valdez City Schools	-----
Western Regional Resource Center	-----
Wrangell Public Schools	-----
Yakutat School District	-----
Yukon Flats School District	-----
Yukon-Koyukuk School District	-----

----- Same for all Employers -----

ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Maturity Date</u>
CERTIFICATES OF DEPOSIT AND OTHER SHORT-TERM INVESTMENTS		
<u>Certificates of deposit</u>		
Manufacturers Hanover Trust Company	16.00	07-06-81
Bank of America	16.15	07-06-81
Morgan Guaranty Trust Company	15.93	07-14-81
Bank of America	17.10	08-03-81
Midland Bank	17.23	08-17-81
Total certificates of deposit		
<u>Savings accounts</u>		
Bank of America	5.25	
<u>Repurchase agreements</u>		
National Bank of Alaska open repo	17.00	open
<u>Bankers Acceptances</u>		
Citibank	17.80	07-01-81
Citibank	17.20	08-03-81
Mellon Bank	16.90	08-17-81
Manufacturers Hanover Trust Company	16.90	08-28-81
Citibank	13.34	09-04-81
Morgan Guaranty Trust Company	13.15	09-22-81
Total bankers acceptances		
<u>Commercial paper</u>		
Wells Fargo & Co.	16.00	07-01-81
Atlantic Richfield Co.	16.43	06-08-81
General Electric Co.	15.342	07-09-80
General Motors Acceptance Corporation	16.738	12-16-80
NLT Corp.	16.893	04-30-81
Tenneco Corp.	16.429	12-02-80
Total commercial paper		
Total certificates of deposit and other short-term investments		

<u>Par Value</u>	<u>Cost</u>	<u>Market Value</u>	<u>Yield</u>
\$ 5,000,000	\$ 4,989,857	\$ 5,324,444	16.30
5,000,000	4,992,924	5,012,004	16.30
5,000,000	4,989,269	5,027,418	16.30
5,000,000	4,999,621	5,071,147	17.00
<u>6,000,000</u>	<u>6,002,297</u>	<u>6,121,581</u>	17.15
<u>26,000,000</u>	<u>25,973,968</u>	<u>26,556,594</u>	
<u>40,150</u>	<u>40,150</u>	<u>40,150</u>	5.39
<u>520,000</u>	<u>520,000</u>	<u>520,000</u>	17.00
5,000,000	4,935,747	4,999,764	18.02%
10,000,000	9,713,358	9,984,086	17.71%
5,000,000	4,826,331	4,988,833	17.51%
5,000,000	4,800,511	4,986,274	17.60%
10,000,000	9,440,461	9,969,659	14.13%
<u>5,000,000</u>	<u>4,680,382</u>	<u>4,980,925</u>	14.05%
<u>40,000,000</u>	<u>38,396,790</u>	<u>39,909,541</u>	
\$ 3,400,000	\$ 3,398,504	\$ 3,399,837	15.85
745,000	745,000	745,000	16.430
80,000	80,000	80,000	15.342
1,283,000	1,283,000	1,283,000	16.738
503,000	503,000	503,000	16.893
<u>44,000</u>	<u>44,000</u>	<u>44,000</u>	16.429
<u>6,055,000</u>	<u>6,053,504</u>	<u>6,054,837</u>	
<u>\$72,615,150</u>	<u>\$70,984,412</u>	<u>\$ 73,081,122</u>	

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Maturity Date</u>
UNITED STATES GOVERNMENT SECURITIES		
<u>U. S. Treasury Notes and Bonds</u>		
U. S. Treasury notes	7.625	08-15-81
	7.00	05-15-82
	11.875	09-30-82
	7.875	11-15-82
	7.125	11-15-82
	9.25	08-15-83
	9.75	09-30-83
	9.875	11-15-83
	7.25	02-15-84
	8.875	06-30-84
	9.00	02-15-87
	9.25	05-15-89
U. S. Treasury bonds	7.875	02-15-00
	8.375	08-15-00
	7.625	02-15-07
	7.875	11-15-07
Total U. S. Treasury notes and bonds		
<u>U. S. Agencies</u>		
Federal Land Bank	8.80	10-21-85
International Bank for Reconstruction & Development	9.35	12-15-00
Federal Home Loan Mortgage Corporation	8.125	03-15-07
Total U. S. Agencies		
<u>GNMA Mortgage Backed Securities</u>		
Pool 4261	8.50	09-15-04
Pool 4347	8.50	09-15-04
Pool 5554	8.50	08-15-05
Pool 6121	8.00	02-15-05
Pool 7460	8.50	10-15-05
Pool 7723	8.50	11-15-05
Pool 6764	8.50	12-15-05
Pool 6764-A	8.50	12-15-05
Pool 7559	8.50	12-15-05
Pool 5105	8.50	01-15-06
Pool 7760	8.50	01-15-06
Pool 7732	8.50	01-15-06
Pool 6148	8.50	02-15-06

<u>Par Value</u>	<u>Cost</u>	<u>Market Value</u>	<u>Yield</u>
\$ 1,000,000	\$ 1,035,937	\$ 983,000	6.61
1,000,000	1,001,719	940,000	6.96
15,900,000	15,881,827	15,502,500	11.94
2,000,000	1,996,724	1,856,000	7.91
2,500,000	2,492,700	2,278,000	7.20
10,000,000	9,901,953	9,100,000	9.63
5,000,000	5,006,250	4,558,000	9.70
26,000,000	25,774,375	23,696,400	10.22
7,000,000	7,014,375	6,062,000	7.21
15,000,000	14,863,978	13,095,000	9.15
13,400,000	13,402,828	11,041,600	9.00
10,000,000	10,018,750	8,000,000	9.22
5,500,000	5,634,270	3,520,000	7.64
4,000,000	3,963,200	2,648,000	8.47
1,000,000	977,500	622,800	7.82
6,000,000	5,968,470	3,924,000	7.92
<u>125,300,000</u>	<u>124,934,856</u>	<u>107,827,300</u>	
3,750,000	3,784,252	3,081,000	8.66
750,000	811,875	519,000	8.51
945,000	941,161	673,218	8.16
<u>5,445,000</u>	<u>5,537,288</u>	<u>4,273,218</u>	
688,707	697,746	462,536	8.39
60,056	61,596	40,334	8.29
1,265,741	1,298,176	850,072	8.29
651,476	634,579	418,509	8.21
289,276	292,531	194,278	8.41
309,161	312,640	207,633	8.41
315,137	323,607	211,647	8.28
11,177	11,477	7,506	8.28
551,528	565,662	370,406	8.29
81,412	83,498	54,676	8.29
511,285	524,388	343,380	8.29
510,897	526,224	343,119	8.25
869,774	893,693	584,140	8.27

ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Maturity Date</u>
UNITED STATES GOVERNMENT SECURITIES - continued		
<u>GNMA Mortgage Backed Securities - continued</u>		
Pool 7474	8.50	02-15-06
Pool 8817	8.50	03-15-06
Pool 8017	8.50	03-15-06
Pool 8434	8.50	03-15-06
Pool 10056	8.50	04-15-06
Pool 10404	8.50	04-15-06
Pool 11294	8.50	05-15-06
Pool 10738	8.50	05-15-06
Pool 10039	8.00	06-15-06
Pool 16900	8.50	02-15-07
Pool 17046	8.50	03-15-07
Pool 16377	7.50	04-15-07
Pool 17206	7.50	05-15-07
Pool 19074	8.00	08-15-07
Pool 20926	8.00	09-15-07
Pool 18426	8.00	09-15-07
Pool 19936	8.00	09-15-07
Pool 18983	8.00	10-15-07
Pool 19595	8.00	10-15-07
Pool 20341	8.00	10-15-07

Total GNMA mortgage backed securities

Total United States Government securities

OTHER BONDS, NOTES AND DEBENTURES

Home Savings and Loan	7.25	06-15-82
California Federal Savings and Loan	7.375	10-01-82
Pacific Gas and Electric Company	9.50	06-01-85
Glendale Federal Savings and Loan	9.35	07-01-89
Montgomery Ward Credit Corporation	9.25	11-15-90
Montgomery Ward Credit Corporation	9.60	02-01-95
J. C. Penney Co., Inc.	8.875	07-15-95
Pfizer, Inc.	8.50	04-15-99
General Motors Acceptance Corp.	8.75	02-01-00
Pfizer, Inc.	9.25	08-15-00
Exxon Corp.	8.25	03-01-01
Mobil Corp.	8.50	06-15-01
General Electric Company	8.50	05-01-04

<u>Par Value</u>	<u>Cost</u>	<u>Market Value</u>	<u>Yield</u>
\$ 529,539	\$ 543,109	\$ 355,639	8.29
295,166	299,226	198,234	8.38
381,410	384,747	256,155	8.42
539,220	553,712	362,140	8.28
340,514	343,494	228,690	8.42
299,824	315,940	201,362	8.07
586,915	593,151	394,172	8.41
955,410	976,012	641,654	8.32
559,723	540,832	359,566	8.28
370,553	378,891	248,864	8.31
1,696,971	1,736,214	1,139,686	8.31
832,050	798,509	576,528	7.81
865,633	830,467	539,203	7.82
953,891	946,737	612,780	8.06
927,205	920,252	595,637	8.06
824,029	817,849	529,357	8.06
884,968	874,736	568,503	8.09
878,064	867,912	564,068	8.09
927,269	916,548	595,678	8.09
906,922	896,436	582,607	8.09
<u>20,670,903</u>	<u>20,760,591</u>	<u>13,638,759</u>	
<u>\$151,415,903</u>	<u>\$151,232,735</u>	<u>\$125,739,277</u>	
\$ 500,000	\$ 496,562	\$ 464,930	7.42
2,000,000	1,990,000	1,816,040	7.49
1,250,000	1,243,750	1,087,500	9.58
1,000,000	1,000,000	818,750	9.35
1,000,000	1,072,500	690,000	8.31
1,250,000	1,261,875	817,187	9.49
1,000,000	988,590	671,250	9.00
500,000	470,125	325,000	9.12
1,500,000	1,593,750	975,000	8.13
500,000	493,750	355,000	9.38
1,000,000	1,027,500	635,000	7.99
1,500,000	1,515,000	963,750	8.40
2,000,000	2,115,000	1,330,000	7.97



ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Maturity Date</u>
OTHER BONDS, NOTES AND DEBENTURES - continued		
Citicorp	11.05	05-01-04
Texas Electric Service Company	8.875	06-01-05
Sears Roebuck Company	8.00	04-01-06
Texas Power and Light	8.25	02-01-07
BankAmerica Corp.	8.35	05-15-07
Commonwealth Edison	8.125	06-01-07
Standard Oil of Indiana	7.875	08-01-07
Duke Power Co.	8.125	09-01-07
Province of Ontario	8.375	09-15-07
Central Power and Light	8.25	10-01-07
Aetna Life and Casualty Company	8.125	10-15-07
Illinois Power Co.	8.25	11-01-07
Michigan Bell Telephone Company	9.60	10-01-08
South Central Bell Telephone Company	8.25	11-01-15
Mountain States Telephone and Telegraph Company	8.00	09-15-17
Pacific Northwest Bell Telephone Co.	8.75	08-01-18

Total other bonds, notes and debentures

<u>Par Value</u>	<u>Cost</u>	<u>Market Value</u>	<u>Yield</u>
\$ 1,500,000	\$ 1,500,000	\$ 1,359,375	11.05
1,000,000	1,012,830	650,000	8.75
1,000,000	987,500	591,250	8.11
1,000,000	996,250	602,500	8.28
1,000,000	992,500	636,870	8.42
1,000,000	981,250	565,000	8.30
1,000,000	978,750	590,000	8.06
1,000,000	968,750	575,000	8.41
1,500,000	1,500,000	914,145	8.37
1,500,000	1,485,000	845,626	8.34
1,000,000	991,250	616,250	8.20
1,000,000	990,000	585,960	8.34
1,000,000	1,122,500	685,000	8.45
1,000,000	1,000,000	600,000	8.25
1,500,000	1,491,076	892,500	8.05
1,000,000	1,000,000	616,250	8.75
<u>\$ 33,000,000</u>	<u>\$ 33,266,058</u>	<u>\$ 22,275,133</u>	

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

COMMON STOCKS	<u>Shares</u>	<u>Cost</u>	<u>Market</u>
AMP Inc.	5,000	\$ 183,875	\$ 268,125
Air Products & Chemical, Inc.	8,000	314,840	315,000
American Hoist & Derrick Co.	6,500	146,715	130,813
American Hospital Supply Corp.	6,000	202,398	255,000
American Telephone and Telegraph Co.	11,000	583,658	618,750
Ameritrust Corp.	5,000	162,250	173,750
Armco Inc.	9,000	260,935	312,750
Avon Products Inc.	6,500	256,546	250,250
Burroughs Corp.	5,000	318,846	196,875
Carter Hawley Hale Stores Inc.	11,000	215,380	211,750
Caterpillar Tractor Co.	6,500	350,420	426,563
Chesebrough-Ponds Inc.	7,000	158,245	247,625
Coastal Corp.	8,000	317,800	357,000
Crane Co.	6,120	227,403	270,810
Crown Zellerbach Corp.	5,000	188,000	201,250
Crum & Forster	7,000	208,429	250,250
Dart & Kraft Inc.	6,000	295,880	307,500
Deere & Co.	5,000	160,700	196,250
Walt Disney Productions	5,000	252,650	316,875
First National Boston Corp.	5,000	178,969	221,250
General Electric Co.	4,000	195,900	247,500
Genstar Corp.	9,200	299,729	277,150
Georgia-Pacific Corp.	14,500	393,549	400,563
Great Lakes International Inc.	6,100	201,545	228,750
Gulf Oil Corp.	9,900	436,595	346,500
Gulfstream Land & Dev. Corp.	4,600	82,054	82,800
Halliburton Company	5,000	253,546	298,750
Huffy Corp.	14,000	232,481	224,000
INA Corporation	5,000	203,213	231,875
Ingersoll Rand Co.	5,000	314,215	338,125
IBM Corp.	5,500	347,488	318,313
Irving Bank Corp.	3,500	177,625	182,000
Johnson & Johnson	9,000	229,020	315,000
Kerr-McGee Corp.	2,800	203,462	189,700
Leaseway Trans Corp.	10,000	260,900	362,500
Lee Enterprises Inc.	10,000	238,509	287,500
Martin Marietta Co.	2,500	106,381	170,000
McDermott Inc.	8,000	268,800	252,000
Merck & Co. Inc.	3,000	215,738	277,500
Motorola Inc.	3,500	192,508	250,250
Norton Simon Inc.	17,600	284,274	283,800
Pay Less Drug Stores N. W.	8,000	154,409	289,000
Pennwalt Corp.	6,400	192,544	179,200

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

COMMON STOCKS - continued	<u>Shares</u>	<u>Cost</u>	<u>Market</u>
Pennzoil Co.	6,700	\$ 347,703	\$ 311,550
Pfizer, Inc.	5,000	195,750	240,000
Philip Morris Inc.	3,000	99,480	149,250
Pittston Co.	10,000	278,450	275,000
Punta Gorda Isles Inc.	7,500	74,993	103,125
Republic of Texas Corp.	5,000	112,113	218,125
Rorer Group Inc.	9,100	148,648	193,375
Schlumberger Ltd.	3,000	193,325	284,250
Seafirst Corp.	5,000	120,707	156,875
Sperry Corp.	6,000	318,143	285,750
Superior Oil Co.	2,000	269,233	374,000
Times-Mirror Co.	5,000	188,870	268,750
Trans World Corp.	12,400	282,906	296,050
Union Pacific Corp.	4,000	140,795	231,000
Westburne International Industries	10,000	213,438	196,250
Westinghouse Electric Corporation	10,000	230,950	303,750
F. W. Woolworth Co.	12,800	308,670	336,000
Yellow Freight System Inc.	15,000	316,875	285,000
Richardson Vicks	24,700	848,150	685,425
AM International, Inc.	45,400	697,679	601,550
American Airlines Inc.	36,000	740,160	621,000
American Broadcasting	46,500	1,404,560	1,418,250
Cincinnati Milacron	10,250	310,739	412,563
Control Data Corporation	3,600	246,351	263,250
Cooper Industries, Inc.	8,200	289,729	365,925
Gray Research	27,000	1,095,423	982,125
Data General Corporation	16,800	982,134	928,200
Data Products Corporation	18,400	554,241	570,400
Delta Airlines Inc.	6,300	403,000	448,875
Digital Equipment Corp.	7,800	868,397	770,250
Dun and Bradstreet, Inc.	11,200	650,944	718,200
First City Bancorp Texas	26,000	572,000	936,000
General Motors Corporation	14,100	692,957	747,300
Georgia-Pacific Corpo.	10,600	334,960	292,925
Halliburton Company	5,000	254,801	298,750
Inco., Ltd.	12,500	259,900	245,313
Kerr-McGee Corporation	7,800	686,143	528,450
Koppers Company, Inc.	22,900	522,349	572,500
LTV Corporation	38,400	915,282	787,200
Litton Industries Inc.	5,588	275,547	356,934
Lockheed Corporation	17,800	587,897	665,175
Louisiana Pacific Corporation	12,000	346,320	330,000
Lowe's Companies	27,400	765,476	732,950
MA Communications, Inc.	33,200	778,625	958,650
MGIC Investment Corp.	23,700	706,671	912,450
McDonald's Corporation	20,200	1,056,056	1,307,950
Merrill Lynch & Co., Inc.	21,200	604,009	813,550
Mission Insurance	16,800	774,480	781,200

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULES OF INVESTMENTS HELD AT

June 30, 1981

	<u>Shares</u>	<u>Cost</u>	<u>Market</u>
COMMON STOCKS - continued			
Mitel Corporation	20,900	\$ 736,725	\$ 658,350
Mohawk Data Sciences Corp.	26,100	634,497	554,625
Motorola, Inc.	8,900	537,010	636,350
PSA, Inc.	18,700	610,898	589,050
Paradyne Corporation	10,900	263,549	449,625
J. C. Penney Company, Inc.	24,000	825,120	810,000
Raymond International, Inc.	18,800	540,500	408,900
Raytheon Company	6,800	523,765	306,000
Rolm Corporation	16,000	580,000	576,000
Rowan Companies, Inc.	43,508	639,117	707,005
G. D. Searle and Company	23,500	548,395	728,500
Sony Corporation ADR.	36,800	705,640	754,400
Southern Pacific Co.	12,000	647,544	573,000
Southwest Airlines	21,200	753,433	1,128,900
Squibb Corporation	22,500	714,532	748,125
Standard Oil of Indiana	9,800	621,382	537,775
Stauffer Chemical Company	27,600	592,447	710,700
Superior Oil Company	2,650	422,619	495,550
Texas Oil and Gas	11,040	265,889	371,220
Tymshare, Inc.	13,000	651,300	546,000
United States Steel Corp.	23,000	684,135	684,250
Whittaker Corporation	19,000	622,093	807,500
Williams Companies	26,000	987,350	718,250
Total common stocks		<u>\$47,642,393</u>	<u>\$50,622,697</u>
CONVERTIBLE STOCK			
Natomos Co. \$4.00 Conv. Pfd. C.	7,000	\$ 308,000	\$ 254,625
United Tech. Corp. \$2.55 Conv. Pfd.	8,000	225,880	207,000
Total convertible stock		<u>\$ 533,880</u>	<u>\$ 461,625</u>
REAL ESTATE EQUITY FUND			
Equitable Life Insurance Co.		\$ 5,750,000	\$ 6,066,704
Prudential Insurance Co.		5,000,000	5,237,873
Aetna Life and Casualty		6,250,000	6,772,365
John Hancock Life Insurance Co.		6,250,000	6,617,663
Total real estate equity fund		<u>\$23,250,000</u>	<u>\$24,694,605</u>

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Cost</u>	<u>Yield</u>
REAL ESTATE MORTGAGES AND SBA LOANS			
FHA mortgages serviced by -			
Alaska Mutual Savings Bank	6.75	\$ 47,218	7.07
Alaska Mutual Savings Bank	7.50	350,296	7.77
Alaska Mutual Savings Bank	8.50	98,332	8.00
Alaska National Bank	7.50	61,005	7.13
Alaska National Bank	8.00	120,875	6.63
Alaska National Bank	8.50	181,287	8.30
Alaska National Bank	8.50	30,294	8.12
Alaska Pacific Bank	11.50	1,181,991	11.56
Alaska Statebank	5.25	139,628	5.20
Alaska Statebank	6.00	203,168	6.00
Alaska Statebank	6.75	26,672	7.34
Alaska Statebank	7.00	770,937	7.34
Alaska Statebank	7.50	220,248	7.42
Alaska Statebank	8.50	191,250	7.40
Alaska Statebank	8.50	60,686	7.48
Alaska Statebank	10.50	88,268	11.96
Alaska Statebank	11.50	156,641	11.66
First National Bank of Anchorage	5.25	299,309	5.16
First National Bank of Anchorage	7.00	245,289	7.39
First National Bank of Anchorage	7.50	341,150	7.92
First National Bank of Anchorage	8.50	172,348	8.92
First National Bank of Anchorage	8.50	338,183	8.39
First National Bank of Anchorage	8.75	110,014	8.95
First National Bank of Anchorage	9.00	97,479	8.50
National Bank of Alaska	5.25	22,663	5.60
National Bank of Alaska	6.00	451,947	6.24
National Bank of Alaska	7.00	292,433	7.30
National Bank of Alaska	7.50	26,216	7.32
National Bank of Alaska	8.50	325,805	8.25
Rainier Mortgage Co.	5.75	97,261	5.63
Rainier Mortgage Co.	6.00	109,350	5.63
Rainier Mortgage Co.	7.00	533,047	7.30
Rainier Mortgage Co.	7.50	138,034	7.92
Washington Mortgage Co.	7.00	830,191	7.87
Total FHA mortgages		<u>8,359,515</u>	

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Interest Rate	Cost	Yield
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>SBA loans serviced by -</u>			
Alaska Mutual Savings Bank	9.50	\$ 75,630	9.00
Alaska Statebank	8.00	29,285	7.50
Alaska Statebank	10.50	98,866	10.00
First National Bank of Ketchikan	9.75	140,206	9.38
First National Bank of Ketchikan	10.50	153,799	10.18
National Bank of Alaska	8.00	570,574	7.50
National Bank of Alaska	8.75	83,387	8.25
National Bank of Alaska	9.50	150,279	9.00
National Bank of Alaska	9.75	21,223	9.25
National Bank of Alaska	10.00	19,914	9.50
National Bank of Alaska	10.50	522,500	10.00
National Bank of Alaska	11.50	46,421	11.00
Peoples Bank and Trust Co.	8.00	123,971	7.50
Peoples Bank and Trust Co.	9.25	267,167	8.75
Total SBA loans		<u>2,303,222</u>	
<u>Bureau of Indian Affairs serviced by -</u>			
National Bank of Alaska	10.50	<u>972,355</u>	10.31
<u>Farmers Home Administration Loan serviced by -</u>			
National Bank of Alaska	9.75	<u>1,515,808</u>	9.56
<u>Conventional/residential mortgages serviced by -</u>			
Alaska Bank of Commerce	8.00	437,322	9.99
Alaska Bank of Commerce	9.50	85,729	8.94
Alaska Bank of Commerce	8.50	82,700	8.06
Alaska Bank of Commerce	12.50	297,446	12.44
Alaska Bank of Commerce	12.75	134,730	12.44
Alaska Bank of Commerce	12.75	131,028	12.44
Alaska Bank of Commerce	10.50	1,362,137	10.44
Alaska Bank of Commerce	13.625	537,172	13.44
Alaska Federal Savings & Loan	12.50	89,954	12.44
Alaska Federal Savings & Loan	11.00	533,240	10.69
Alaska Federal Savings & Loan	11.50	84,987	11.19
Alaska Federal Savings & Loan	11.875	98,533	11.56
Alaska Federal Savings & Loan	12.00	556,220	11.69
Alaska Federal Savings & Loan	12.75	209,643	12.56
Alaska Federal Savings & Loan	9.25	228,762	8.94
Alaska Federal Savings & Loan	13.50	149,512	13.06
Alaska Federal Savings & Loan	14.00	101,097	13.69
Alaska Federal Savings & Loan	14.00	83,939	13.56
Alaska Federal Savings & Loan	14.125	116,805	13.69
Alaska Federal Savings & Loan	14.125	159,733	13.81
Alaska Federal Savings & Loan	14.25	58,316	13.81
Alaska Federal Savings & Loan	14.50	98,000	14.06

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Interest Rate	Cost	Yield
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
Conventional/residential mortgages serviced by -			
Alaska Federal Savings and Loan	10.25	\$ 66,115	9.94
Alaska Federal Savings and Loan	10.25	82,203	10.06
Alaska Federal Savings and Loan	10.50	1,248,753	10.04
Alaska Federal Savings and Loan	10.50	140,451	10.31
Alaska Federal Savings and Loan	11.00	428,423	10.94
Alaska Federal Savings and Loan	11.00	199,855	10.81
Alaska Mutual Savings Bank	9.375	222,114	9.06
Alaska Mutual Savings Bank	9.625	156,254	9.31
Alaska Mutual Savings Bank	9.75	68,233	9.44
Alaska Mutual Savings Bank	11.00	545,008	10.81
Alaska Mutual Savings Bank	11.00	306,870	10.69
Alaska Mutual Savings Bank	9.375	366,041	9.06
Alaska Mutual Savings Bank	9.50	451,548	9.19
Alaska Mutual Savings Bank	9.75	256,934	9.44
Alaska Mutual Savings Bank	10.00	409,478	9.69
Alaska Mutual Savings Bank	10.25	282,772	10.31
Alaska Mutual Savings Bank	10.25	95,022	10.06
Alaska Mutual Savings Bank	10.25	61,337	9.94
Alaska Mutual Savings Bank	10.375	73,014	10.06
Alaska Mutual Savings Bank	10.50	682,821	10.31
Alaska Mutual Savings Bank	10.50	62,886	10.19
Alaska Mutual Savings Bank	10.75	439,720	10.56
Alaska Mutual Savings Bank	10.75	417,616	10.31
Alaska Mutual Savings Bank	11.00	501,243	10.56
Alaska Mutual Savings Bank	12.50	317,738	12.44
Alaska Mutual Savings Bank	10.50	645,832	10.31
Alaska Mutual Savings Bank	11.50	550,321	11.06
Alaska Mutual Savings Bank	11.75	811,485	10.56
Alaska Mutual Savings Bank	10.50	480,520	10.31
Alaska Mutual Savings Bank	10.75	583,197	10.31
Alaska Mutual Savings Bank	10.625	973,281	10.56
Alaska National Bank	9.25	647,693	8.94
Alaska National Bank	9.375	1,419,123	9.06
Alaska National Bank	9.50	1,195,591	9.19
Alaska National Bank	9.625	114,622	9.44
Alaska National Bank	9.625	1,043,659	9.31
Alaska National Bank	9.75	437,957	9.44
Alaska National Bank	9.875	120,649	9.56
Alaska National Bank	10.00	230,822	9.81
Alaska National Bank	10.00	149,221	9.69
Alaska National Bank	10.125	196,837	9.94
Alaska National Bank	10.25	101,887	10.06
Alaska National Bank	10.25	69,716	9.94
Alaska National Bank	10.50	385,756	10.31
Alaska National Bank	10.50	370,121	10.19
Alaska National Bank	11.00	61,947	10.69
Alaska National Bank	11.25	119,196	11.06
Alaska National Bank	11.75	75,982	11.44



## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Interest Rate	Cost	Yield
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>serviced by - continued</u>			
Alaska National Bank	12.00	\$ 218,935	11.81
Alaska National Bank	9.75	253,937	9.44
Alaska National Bank	10.50	726,377	10.44
Alaska National Bank	10.50	1,352,590	10.31
Alaska National Bank	10.50	21,224	10.19
Alaska National Bank	10.875	586,535	10.69
Alaska National Bank	11.00	108,183	10.81
Alaska National Bank	11.50	223,506	11.31
Alaska National Bank	12.00	92,321	11.81
Alaska National Bank	10.50	82,177	10.44
Alaska National Bank	10.50	241,302	10.31
Alaska National Bank	11.00	375,000	10.81
Alaska National Bank	10.50	476,657	10.31
Alaska National Bank	12.00	1,555,261	11.81
Alaska National Bank	10.50	750,000	10.44
Alaska Pacific Bank	9.375	363,596	9.06
Alaska Pacific Bank	9.50	1,009,732	9.19
Alaska Pacific Bank	9.60	139,773	9.29
Alaska Pacific Bank	9.625	411,603	9.31
Alaska Pacific Bank	9.75	74,877	9.44
Alaska Pacific Bank	9.875	64,232	9.56
Alaska Pacific Bank	10.00	671,149	9.81
Alaska Pacific Bank	10.00	114,632	9.69
Alaska Pacific Bank	10.25	113,876	10.06
Alaska Pacific Bank	10.50	218,166	10.19
Alaska Pacific Bank	10.60	122,190	10.52
Alaska Pacific Bank	11.00	41,573	10.69
Alaska Pacific Bank	11.375	144,323	11.06
Alaska Pacific Bank	11.375	315,711	11.19
Alaska Pacific Bank	11.50	546,297	11.31
Alaska Pacific Bank	11.50	198,564	11.19
Alaska Pacific Bank	11.875	166,402	11.56
Alaska Pacific Bank	11.875	568,023	11.69
Alaska Pacific Bank	12.00	219,977	11.69
Alaska Pacific Bank	12.50	238,293	12.31
Alaska Pacific Bank	12.75	131,457	12.56
Alaska Pacific Bank	12.75	893,409	12.56
Alaska Pacific Bank	12.75	220,538	12.44
Alaska Pacific Bank	12.875	84,653	12.50
Alaska Pacific Bank	14.00	319,942	13.62
Alaska Pacific Bank	14.00	166,856	13.56
Alaska Pacific Bank	14.30	155,864	14.04
Alaska Pacific Bank	14.50	348,000	14.31
Alaska Pacific Bank	9.375	72,694	9.06
Alaska Pacific Bank	9.50	72,383	9.19
Alaska Pacific Bank	9.875	57,984	9.56

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Cost</u>	<u>Yield</u>
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
Alaska Statebank	12.75	\$ 1,211,338	12.56
Alaska Statebank	12.75	2,129,930	12.69
Alaska Statebank	13.375	49,400	12.94
Alaska Statebank	13.625	167,933	13.31
Alaska Statebank	14.00	95,517	13.56
Alaska Statebank	14.50	139,751	14.19
Alaska Statebank	14.75	49,500	14.31
Alaska Statebank	14.875	44,927	14.44
Alaska Statebank	14.875	99,892	14.56
Alaska Statebank	15.00	111,822	14.69
Alaska Statebank	15.00	617,367	14.56
Alaska Statebank	15.00	499,205	14.81
Alaska Statebank	14.75	177,288	14.44
Alaska Statebank	9.625	53,591	9.31
Alaska Statebank	10.25	131,365	10.06
Alaska Statebank	10.50	83,708	10.19
Alaska Statebank	11.00	87,562	10.56
Alaska Statebank	12.00	448,211	11.87
Alaska Statebank	12.75	63,200	12.44
AMFAC Mortgage Co.	11.00	487,713	10.81
Arctic First Federal Savings and Loan	10.25	36,549	9.94
Arctic First Federal Savings and Loan	10.50	56,660	9.94
Arctic First Federal Savings and Loan	10.75	750,174	10.56
Arctic First Federal Savings and Loan	11.25	358,175	11.06
Arctic First Federal Savings and Loan	12.50	887,957	12.31
Arctic First Federal Savings and Loan	9.875	109,619	9.56
Arctic First Federal Savings and Loan	10.00	48,614	9.69
Arctic First Federal Savings and Loan	11.00	151,798	10.69
Arctic First Federal Savings and Loan	11.375	90,508	11.06
Arctic First Federal Savings and Loan	11.50	95,807	11.19
First Federal Savings and Loan	11.50	111,797	11.31
First Federal Savings and Loan	11.875	132,180	11.69
First Federal Savings and Loan	11.875	47,773	11.56
First Federal Savings and Loan	12.50	496,564	12.19
First Federal Savings and Loan	14.00	139,869	13.69
First Federal Savings and Loan	14.00	121,910	13.56
First Federal Savings and Loan	14.125	94,846	13.69
First Federal Savings and Loan	15.00	224,642	14.69
First Federal Savings and Loan	14.75	217,500	14.44
First Federal Savings and Loan	10.75	388,219	10.69
First Federal Savings and Loan	11.00	167,143	10.81
First Federal Savings and Loan	11.00	458,971	10.94
First Federal Savings and Loan	12.00	92,404	11.69

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Interest Rate	Cost	Yield
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
First Federal Savings and Loan	12.59	\$ 208,097	12.31
First Federal Savings and Loan	12.75	185,986	12.56
First Federal Savings and Loan	10.50	960,046	10.44
First National Bank of Anchorage	9.375	514,515	9.06
First National Bank of Anchorage	9.50	1,375,427	9.19
First National Bank of Anchorage	9.625	1,613,055	9.31
First National Bank of Anchorage	9.75	126,690	9.56
First National Bank of Anchorage	9.75	578,644	9.44
First National Bank of Anchorage	9.875	1,202,708	9.56
First National Bank of Anchorage	10.00	1,455,321	9.81
First National Bank of Anchorage	10.00	625,039	9.69
First National Bank of Anchorage	10.25	369,157	10.06
First National Bank of Anchorage	10.25	270,061	9.94
First National Bank of Anchorage	10.50	921,195	10.31
First National Bank of Anchorage	10.50	1,063,525	10.19
First National Bank of Anchorage	10.75	267,733	10.56
First National Bank of Anchorage	11.00	414,532	10.69
First National Bank of Anchorage	11.00	794,752	10.81
First National Bank of Anchorage	11.375	437,625	11.19
First National Bank of Anchorage	11.375	1,028,798	11.06
First National Bank of Anchorage	11.50	741,332	11.31
First National Bank of Anchorage	11.50	434,677	11.19
First National Bank of Anchorage	11.875	451,406	11.56
First National Bank of Anchorage	11.875	826,220	11.69
First National Bank of Anchorage	12.00	438,736	11.69
First National Bank of Anchorage	12.00	214,667	11.81
First National Bank of Anchorage	12.50	285,482	12.19
First National Bank of Anchorage	12.75	426,635	12.56
First National Bank of Anchorage	12.75	350,981	12.44
First National Bank of Anchorage	12.75	788,562	12.69
First National Bank of Anchorage	13.25	129,357	12.94
First National Bank of Anchorage	13.50	79,968	13.06
First National Bank of Anchorage	14.00	292,393	13.69
First National Bank of Anchorage	14.00	226,201	13.56
First National Bank of Anchorage	14.10	182,034	13.66
First National Bank of Anchorage	9.25	255,707	8.94
First National Bank of Anchorage	9.375	84,271	9.06
First National Bank of Anchorage	9.50	49,779	9.19
First National Bank of Anchorage	10.25	36,592	10.25
First National Bank of Anchorage	10.25	440,301	10.06
First National Bank of Anchorage	10.25	24,913	9.94
First National Bank of Anchorage	10.50	426,673	10.31
First National Bank of Anchorage	10.50	85,506	10.19
First National Bank of Anchorage	10.75	596,876	10.56

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Cost</u>	<u>Yield</u>
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>serviced by - continued</u>			
Alaska Pacific Bank	10.25	\$ 107,581	10.06
Alaska Pacific Bank	10.50	849,687	10.31
Alaska Pacific Bank	10.50	134,269	10.19
Alaska Pacific Bank	10.75	476,747	10.56
Alaska Pacific Bank	11.00	94,523	10.69
Alaska Pacific Bank	11.00	630,281	10.94
Alaska Pacific Bank	11.00	178,462	10.81
Alaska Pacific Bank	12.00	59,762	11.69
Alaska Pacific Bank	12.50	242,265	12.31
Alaska Pacific Bank	12.75	187,144	12.44
Alaska Pacific Bank	15.00	296,721	14.81
Alaska Pacific Bank	15.00	45,000	14.56
Alaska Statebank	9.375	104,661	9.19
Alaska Statebank	9.375	1,200,722	9.06
Alaska Statebank	9.50	97,133	9.31
Alaska Statebank	9.50	1,027,593	9.19
Alaska Statebank	9.625	788,332	9.31
Alaska Statebank	9.75	760,692	9.44
Alaska Statebank	9.875	813,917	9.56
Alaska Statebank	9.875	126,002	9.69
Alaska Statebank	10.00	210,987	9.81
Alaska Statebank	10.00	326,965	9.69
Alaska Statebank	10.125	80,499	9.81
Alaska Statebank	10.25	199,042	10.06
Alaska Statebank	10.50	360,582	10.19
Alaska Statebank	10.50	425,852	10.31
Alaska Statebank	10.75	170,004	10.44
Alaska Statebank	10.75	398,089	10.56
Alaska Statebank	10.875	44,411	10.56
Alaska Statebank	10.875	99,678	10.69
Alaska Statebank	11.00	631,330	10.81
Alaska Statebank	11.00	122,254	10.69
Alaska Statebank	11.00	248,526	10.69
Alaska Statebank	11.375	449,427	11.06
Alaska Statebank	11.375	109,351	11.19
Alaska Statebank	11.50	134,628	11.31
Alaska Statebank	11.50	306,025	11.19
Alaska Statebank	11.875	934,690	11.69
Alaska Statebank	11.875	440,078	11.56
Alaska Statebank	12.00	911,699	11.81
Alaska Statebank	12.00	574,294	11.69
Alaska Statebank	12.50	684,305	12.19
Alaska Statebank	12.50	579,079	12.31
Alaska Statebank	12.50	346,440	12.44
Alaska Statebank	12.75	265,534	12.44

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Interest Rate	Cost	Yield
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
Conventional/residential mortgages			
served by - continued			
First National Bank of Anchorage	10.75	\$ 68,892	10.44
First National Bank of Anchorage	11.00	638,427	10.81
First National Bank of Anchorage	11.60	77,374	11.65
First National Bank of Anchorage	12.00	255,702	11.81
First National Bank of Anchorage	12.50	83,711	12.19
First National Bank of Anchorage	12.50	175,066	12.31
First National Bank of Anchorage	12.75	457,217	12.56
First National Bank of Anchorage	13.00	424,492	12.94
First National Bank of Anchorage	10.75	1,006,108	10.65
First National Bank of Fairbanks	9.875	814,995	9.56
First National Bank of Fairbanks	10.50	73,756	10.19
First National Bank of Fairbanks	11.00	237,696	10.69
First National Bank of Fairbanks	11.375	652,335	11.06
First National Bank of Fairbanks	11.375	111,188	11.19
First National Bank of Fairbanks	11.50	178,213	11.19
First National Bank of Fairbanks	11.875	116,830	11.56
First National Bank of Fairbanks	11.875	111,393	11.69
First National Bank of Fairbanks	12.00	174,421	11.81
First National Bank of Fairbanks	12.50	119,432	12.31
First National Bank of Fairbanks	12.75	124,371	12.31
First National Bank of Fairbanks	12.00	101,865	13.69
First National Bank of Fairbanks	14.00	45,857	13.56
First National Bank of Fairbanks	14.75	138,646	14.31
First National Bank of Fairbanks	11.875	59,313	11.56
First National Bank of Fairbanks	12.00	49,418	11.69
First National Bank of Fairbanks	12.75	59,392	12.31
First National Bank of Fairbanks	12.75	174,463	12.56
First National Bank of Fairbanks	12.50	111,220	12.56
First National Bank of Fairbanks	12.75	65,624	12.31
First National Bank of Ketchikan	9.375	147,618	9.06
First National Bank of Ketchikan	9.75	537,948	9.44
First National Bank of Ketchikan	10.00	125,041	9.69
First National Bank of Ketchikan	10.25	358,397	9.94
First National Bank of Ketchikan	10.50	29,069	10.19
First National Bank of Ketchikan	11.00	127,667	10.81
Home Federal Savings and Loan	9.50	730,642	9.19
Home Federal Savings and Loan	9.625	586,391	9.31
Home Federal Savings and Loan	9.75	115,715	9.44
Home Federal Savings and Loan	10.00	947,725	9.81
Home Federal Savings and Loan	10.00	377,407	9.69
Home Federal Savings and Loan	10.25	822,306	9.94
Home Federal Savings and Loan	10.25	731,486	10.06
Home Federal Savings and Loan	10.50	332,694	10.19
Home Federal Savings and Loan	10.50	572,775	10.31
Home Federal Savings and Loan	10.75	135,260	10.44

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Interest Rate	Cost	Yield
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
Home Federal Savings and Loan	11.00	\$ 580,680	10.69
Home Federal Savings and Loan	11.00	481,171	10.81
Home Federal Savings and Loan	11.375	102,895	11.19
Home Federal Savings and Loan	11.375	556,306	11.06
Home Federal Savings and Loan	11.50	352,057	11.19
Home Federal Savings and Loan	11.50	278,359	11.31
Home Federal Savings and Loan	11.875	284,792	11.69
Home Federal Savings and Loan	11.875	154,288	11.56
Home Federal Savings and Loan	12.00	99,404	11.81
Home Federal Savings and Loan	10.25	63,077	9.94
Home Federal Savings and Loan	10.50	331,724	10.31
Home Federal Savings and Loan	10.50	124,208	10.19
Home Federal Savings and Loan	10.75	494,291	10.56
Home Federal Savings and Loan	10.75	86,259	10.44
Home Federal Savings and Loan	11.00	746,301	10.81
Home Federal Savings and Loan	13.50	52,227	13.19
Home Federal Savings and Loan	10.25	524,138	10.19
Home Federal Savings and Loan	10.875	267,225	10.56
Kissell Mortgage Company	9.50	62,523	9.19
Kissell Mortgage Company	9.875	1,177,155	9.56
Kissell Mortgage Company	12.375	139,133	12.06
Kissell Mortgage Company	12.50	895,225	12.19
Kissell Mortgage Company	12.75	264,781	12.44
Kissell Mortgage Company	12.75	42,925	12.44
Kissell Mortgage Company	12.875	47,935	12.56
Kissell Mortgage Company	13.00	402,241	12.69
Kissell Mortgage Company	13.00	2,948,543	12.69
Kissell Mortgage Company	13.25	130,916	12.94
Kissell Mortgage Company	13.25	5,278,394	12.94
Kissell Mortgage Company	13.375	86,845	13.06
Kissell Mortgage Company	13.50	2,004,407	13.19
Kissell Mortgage Company	13.75	575,066	13.44
Kissell Mortgage Company	14.00	140,175	13.69
Kissell Mortgage Company	14.00	116,630	13.69
Kissell Mortgage Company	14.25	527,387	13.94
Kissell Mortgage Company	14.375	552,100	13.94
Kissell Mortgage Company	14.50	4,078,674	14.06
Kissell Mortgage Company	15.00	163,428	14.56
Kissell Mortgage Company	15.25	60,000	14.81
National Bank of Alaska	12.00	143,276	11.81
National Bank of Alaska	12.875	260,426	12.69
National Bank of Alaska	10.50	572,082	10.44
National Bank of Alaska	10.50	214,197	10.31
Peninsula Savings and Loan	11.50	163,871	11.19
Peninsula Savings and Loan	11.875	114,232	11.56

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Interest Rate	Cost	Yield
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
Peninsula Savings and Loan	12.75	\$ 97,086	12.44
Peoples Bank and Trust	9.50	72,752	9.19
Peoples Bank and Trust	9.625	259,139	9.31
Peoples Bank and Trust	9.75	143,526	9.44
Peoples Bank and Trust	9.875	82,830	9.56
Peoples Bank and Trust	10.00	132,481	9.81
Peoples Bank and Trust	10.50	819,767	10.31
Peoples Bank and Trust	10.75	181,097	10.56
Peoples Bank and Trust	11.00	108,491	10.81
Peoples Mortgage Co.	10.25	625,482	10.19
Peoples Mortgage Co.	10.50	200,781	10.31
Security National Bank	9.25	170,020	8.94
Security National Bank	9.375	157,856	9.06
Security National Bank	9.50	538,919	9.19
Security National Bank	9.625	571,937	9.56
Security National Bank	9.625	319,737	9.31
Security National Bank	9.75	314,243	9.44
Security National Bank	9.875	40,845	9.56
Security National Bank	10.00	669,398	9.81
Security National Bank	10.00	638,181	9.69
Security National Bank	10.25	212,938	10.06
Security National Bank	10.25	328,933	9.94
Security National Bank	10.50	608,281	10.44
Security National Bank	10.50	1,398,951	10.31
Security National Bank	10.50	180,677	10.19
Security National Bank	11.00	368,886	10.69
Security National Bank	11.00	1,062,365	10.81
Security National Bank	11.375	459,188	11.19
Security National Bank	11.375	376,160	11.06
Security National Bank	11.50	141,160	11.19
Security National Bank	11.50	374,123	11.31
Security National Bank	11.875	580,109	11.69
Security National Bank	11.875	161,122	11.56
Security National Bank	12.00	162,113	11.56
Security National Bank	12.00	151,645	11.81
Security National Bank	12.50	530,418	12.31
Security National Bank	12.50	141,070	12.19
Security National Bank	12.75	98,517	12.44
Security National Bank	12.75	877,252	12.56
Security National Bank	14.50	238,920	14.06
Security National Bank	14.75	44,236	14.31
Security National Bank	14.875	55,722	14.44
Security National Bank	9.75	41,682	9.56

## ALASKA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Cost</u>	<u>Yield</u>
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
Security National Bank	10.50	\$ 1,519,573	10.31
Security National Bank	10.50	37,997	10.19
Security National Bank	10.75	797,374	10.56
Security National Bank	10.75	72,551	10.44
Security National Bank	11.00	83,034	10.69
Security National Bank	11.00	447,851	10.81
Security National Bank	11.50	124,914	11.31
Security National Bank	12.00	183,329	11.81
Total conventional/residential mortgages		<u>149,355,166</u>	
Total real estate mortgages and Small Business Administration loans		<u>\$162,506,066</u>	



## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Maturity Date</u>
SHORT-TERM INVESTMENTS		
<u>Savings accounts</u>		
Morgan Guaranty Trust Company	N/A	
Bank of America	5.250	
Alaska National Bank	5.250	
Total savings accounts		
<u>Repurchase agreements</u>		
Rainier National Bank	16.00	07-01-81
First Inter Bank of Washington	18.00	open
First Inter Bank of Washington	16.00	open
Total repurchase agreements		
<u>Bankers acceptances</u>		
Morgan Guaranty Trust Company	13.15	09-22-81
Rainier National Bank	17.15	09-03-81
Total bankers acceptances		
<u>Commercial paper</u>		
Atlantic Richfield Co.	16.43	09-25-80
General Electric Co.	15.342	04-03-81
General Motors Acceptance Corporation	16.739	04-20-81
NLT Corp.	16.893	04-30-81
Tenneco Corp.	16.431	08-20-80
Total commercial paper		
Total short-term investments		
UNITED STATES GOVERNMENT SECURITIES		
<u>U. S. Treasury notes and bonds</u>		
U. S. Treasury notes	7.625	08-15-81
	7.125	11-15-82
	8.00	02-15-83
	9.25	08-15-83
	9.75	09-30-83
	9.875	11-15-83
	7.25	02-15-84
	8.875	06-30-84
	7.25	08-15-84
	7.875	05-15-86
	9.00	02-15-87
	9.25	05-15-89
U. S. Treasury bonds	7.875	02-15-00
	8.375	08-15-00
	7.625	02-15-07
	7.875	11-15-07
Total U. S. Treasury notes and bonds		

<u>Par Value</u>	<u>Cost</u>	<u>Market Value</u>	<u>Yield</u>
\$ 5,744	\$ 5,744	\$ 5,744	N/A
3,105	3,105	3,105	5.39
988	988	988	5.39
<u>9,837</u>	<u>9,837</u>	<u>9,837</u>	
5,200,000	5,200,000	5,200,000	16.00
346,000	346,000	346,000	18.00
10,000	10,000	10,000	16.00
<u>5,556,000</u>	<u>5,556,000</u>	<u>5,556,000</u>	
9,000,000	8,424,710	8,656,650	14.05
5,000,000	4,785,650	4,849,688	17.92
<u>14,000,000</u>	<u>13,210,360</u>	<u>13,506,338</u>	
759,000	759,000	759,000	16.430
59,000	59,000	59,000	15.342
1,304,000	1,304,000	1,304,000	16.739
503,000	503,000	503,000	16.893
32,000	32,000	32,000	16.431
<u>2,657,000</u>	<u>2,657,000</u>	<u>2,657,000</u>	
<u>\$22,222,837</u>	<u>\$21,433,197</u>	<u>\$21,729,175</u>	
500,000	518,281	486,450	6.59
2,500,000	2,492,700	2,255,500	7.20
100,000	100,000	90,800	8.00
10,000,000	9,901,953	9,016,000	9.63
5,000,000	5,006,250	4,512,000	9.70
13,000,000	12,887,188	11,856,000	10.22
2,000,000	2,001,000	1,708,000	7.24
14,000,000	13,881,791	12,292,000	9.13
3,000,000	2,966,250	2,490,000	7.46
250,000	250,000	197,900	7.88
13,400,000	13,402,827	11,095,200	9.00
5,000,000	5,009,375	3,964,000	9.22
6,500,000	6,659,337	4,212,000	7.64
4,000,000	3,963,200	2,689,600	8.47
1,000,000	977,500	638,000	7.82
4,000,000	3,977,220	2,646,400	7.92
<u>84,250,000</u>	<u>83,994,872</u>	<u>70,149,850</u>	

## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Maturity Date</u>
UNITED STATES GOVERNMENT SECURITIES - continued		
<u>U. S. Agencies</u>		
Federal National Mortgage Association	7.55	12-10-84
International Bank of Reconstruction and Development	7.65	05-01-87
International Bank of Reconstruction and Development	9.35	12-15-00
Federal Home Loan Mortgage Corporation	8.125	03-15-07
Total U. S. agencies		
<u>GNMA Mortgage Backed Securities</u>		
Pool 4160	8.50	09-15-04
Pool 5328	8.50	02-15-05
Pool 5619	8.00	04-15-05
Pool 7044	8.00	06-15-05
Pool 7082	8.00	08-15-05
Pool 7577	8.50	10-15-05
Pool 6333	8.50	11-15-05
Pool 6508	8.50	11-15-05
Pool 7812	8.50	12-15-05
Pool 9110	8.50	01-15-06
Pool 8567	8.50	01-15-06
Pool 7580	8.50	01-15-06
Pool 5994	8.50	01-15-06
Pool 7113	8.50	01-15-06
Pool 7860	8.50	02-15-06
Pool 7786	8.50	02-15-06
Pool 8213	8.50	02-15-06
Pool 8827	8.50	03-15-06
Pool 8817	8.50	03-15-06
Pool 7138	8.50	03-15-06
Pool 10319	8.50	04-15-06
Pool 10739	8.50	05-15-06
Pool 12368	8.50	08-15-06
Pool 12363	8.50	08-15-06
Pool 12467	8.00	09-15-06
Pool 14594	8.50	11-15-06
Pool 16900	8.50	02-15-07
Pool 17046	8.50	03-15-07
Pool 19191	8.00	09-15-07
Pool 20208	8.00	09-15-07
Pool 19410	8.00	10-15-07
Pool 1250	8.10	10-15-11
Pool 1599	7.00	07-15-12
Total GNMA mortgage backed securities		
Total United States Government securities		

<u>Par Value</u>	<u>Cost</u>	<u>Market Value</u>	<u>Yield</u>
\$ 1,000,000	\$ 1,000,000	\$ 800,000	7.55
450,000	447,750	339,300	7.72
500,000	541,250	345,000	8.51
<u>945,000</u>	<u>941,161</u>	<u>673,218</u>	8.18
<u>2,895,000</u>	<u>2,930,161</u>	<u>2,157,518</u>	
632,438	650,818	418,927	8.26
286,283	300,776	189,634	8.09
210,105	206,563	139,090	8.14
722,684	710,492	478,417	8.14
807,544	804,895	534,595	8.03
801,323	810,339	554,516	8.40
615,482	620,868	425,914	8.43
275,794	283,034	190,850	8.28
589,700	604,812	408,073	8.29
272,562	286,361	188,613	8.09
688,126	703,610	476,184	8.31
503,855	517,082	348,668	8.28
184,146	189,671	127,430	8.25
144,860	149,206	100,244	8.25
322,614	325,437	223,249	8.42
550,470	565,608	380,926	8.27
496,034	508,746	343,256	8.29
653,346	661,922	452,116	8.39
295,166	299,225	204,255	8.38
677,671	695,037	468,948	8.29
366,997	370,209	253,962	8.42
853,892	879,509	590,894	8.25
137,038	144,405	94,831	8.07
1,155,008	1,184,606	799,266	8.29
870,956	867,146	576,573	8.03
737,692	759,823	510,483	8.25
370,553	378,891	256,423	8.31
1,696,971	1,736,214	1,174,304	8.31
921,848	911,190	610,264	8.09
431,125	426,141	285,405	8.09
1,777,055	1,756,509	1,176,411	8.09
482,774	516,569	319,790	7.57
<u>496,653</u>	<u>496,653</u>	<u>312,891</u>	7.00
<u>20,028,783</u>	<u>20,322,367</u>	<u>13,615,402</u>	
<u>\$107,173,783</u>	<u>\$107,247,400</u>	<u>\$ 85,922,770</u>	

# ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Maturity Date</u>
OTHER BONDS, NOTES AND DEBENTURES		
California Federal Savings and Loan	7.375	10-01-82
Pacific Gas & Electric	9.50	06-01-85
Glendale Federal Savings and Loan	9.35	07-01-89
Montgomery Ward Credit Corporation	9.60	02-01-95
Diamond Shamrock	9.00	04-01-99
Pfizer, Inc.	8.50	04-15-99
General Motors Acceptance Corporation	8.75	02-01-00
Pfizer, Inc.	9.25	08-15-00
Exxon Corporation	8.25	03-01-01
Mobil Corporation	8.50	06-15-01
Citicorp	11.05	05-01-04
Texas Electric Service Company	8.875	06-01-05
Sears Roebuck Company	8.00	04-01-06
Standard Oil of Indiana	7.875	08-01-07
American Hospital & Supply Corp.	7.875	08-15-07
Duke Power Company	8.125	09-01-07
Province of Ontario	8.375	09-15-07
Central Power and Light	8.25	10-01-07
Aetna Life and Casualty Company	8.125	10-15-07
Michigan Bell Telephone Company	9.60	10-01-08
South Central Bell Telephone Company	8.25	10-01-15
Mountain Telephone and Telegraph Company	8.00	09-15-17
Pacific Northwest Bell Telephone Co.	8.75	08-01-18

Total other bonds, notes and debentures

<u>Par Value</u>	<u>Cost</u>	<u>Market Value</u>	<u>Yield</u>
\$ 1,500,000	\$ 1,492,500	\$ 1,322,175	7.50
1,250,000	1,243,750	1,056,250	9.58
1,000,000	1,000,000	825,430	9.35
1,250,000	1,261,875	764,063	9.49
1,000,000	1,020,000	668,750	8.79
500,000	470,125	312,500	9.12
1,500,000	1,593,750	960,000	8.13
1,000,000	995,000	690,000	9.30
1,000,000	1,027,500	650,000	7.99
1,000,000	1,010,000	650,000	8.40
1,500,000	1,500,000	1,359,375	11.05
1,000,000	1,012,830	651,250	8.75
1,000,000	988,750	590,000	8.10
1,000,000	978,750	590,000	8.06
1,500,000	1,495,500	885,000	7.90
1,000,000	968,750	580,000	8.41
1,500,000	1,500,000	878,730	8.37
1,500,000	1,485,000	855,000	8.34
1,000,000	991,250	595,000	8.20
1,000,000	1,122,500	682,500	8.45
1,000,000	1,000,000	610,000	8.25
1,500,000	1,491,075	900,000	8.05
1,000,000	1,000,000	637,500	8.75
<u>\$26,500,000</u>	<u>\$26,648,905</u>	<u>\$17,713,523</u>	

## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Shares</u>	<u>Cost</u>	<u>Market</u>
COMMON STOCKS			
AM International, Inc.	50,900	\$ 837,553	\$ 674,425
American Airlines Inc.	41,000	842,960	707,250
American Broadcasting	52,500	1,585,895	1,601,250
Cincinnati Milacron	12,100	359,760	487,025
Control Data Corp.	4,400	301,511	321,750
Cooper Industries, Inc.	9,500	324,977	423,938
Cray Resh Inc.	29,000	1,179,123	1,054,875
Data General Corp.	20,700	1,211,171	1,143,675
Data Products Corp.	21,300	641,714	660,300
Delta Airlines Inc.	7,100	455,324	505,875
Digital Equipment Corp.	9,100	1,013,130	898,625
Dun and Bradstreet, Inc.	14,400	836,928	923,400
First City Bancorp.	30,300	668,800	1,094,400
General Motors Corp.	16,500	851,360	874,500
Georgia-Pacific Corp.	12,800	404,480	353,600
Halliburton Co.	5,800	295,467	346,550
Inco., Ltd.	14,900	309,801	292,412
Kerr-McGee Corp.	9,100	800,500	616,525
Koppers Company, Inc.	26,800	611,308	670,000
LTV Corp.	20,400	1,064,686	916,350
Litton Industries Inc.	7,108	365,462	454,024
Lockheed Corp.	21,000	693,530	784,875
Louisiana Pacific Corp.	14,500	418,470	398,750
Lowes Co.	32,500	906,936	869,375
M A Communications, Inc.	38,700	908,044	1,117,462
MGIC Investment Corp.	27,800	828,887	1,070,300
McDonald's Corp.	23,800	1,244,264	1,541,050
Merrill Lynch & Co. Inc.	24,800	706,577	951,700
Mission Insurance	19,200	885,120	892,800
Mitel Corp.	24,300	856,575	765,450
Mohawk Data Sciences Corp.	30,600	751,958	650,250
Motorola, Inc.	10,500	633,580	750,750
PSA, Inc.	21,100	690,991	664,650
Paradyne Corp.	13,200	318,308	544,500
J. C. Penney Company, Inc.	28,000	962,640	945,000
Raymond International Inc.	21,000	603,750	456,750
Raytheon Co.	16,200	617,783	729,000
Richardson Vicks	28,800	989,507	799,200
Rolm Corp.	18,000	652,500	648,000
Rowan Cos. Inc.	54,622	804,266	887,608
G. D. Searle & Co.	26,500	620,730	821,500
Sony Corporation Adr.	44,200	847,535	906,100
Southern Pacific Co.	15,000	809,430	716,250

## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

COMMON STOCKS - continued	Shares	Cost	Market
Southwest Airlines	24,800	\$ 881,307	\$ 1,320,600
Squibb Corp.	26,000	825,682	864,500
Standard Oil of Indiana	11,200	710,105	614,600
Stauffer Chemical Co.	32,500	707,637	836,875
Superior Oil	3,050	458,615	570,350
Texas Oil and Gas	12,660	308,735	425,692
United States Steel Corp.	27,000	803,115	803,250
Tymshare, Inc.	15,300	766,530	642,600
Whittaker Corp.	21,200	693,894	901,000
Williams Cos.	34,000	1,291,150	939,250
AMP Inc.	5,000	183,875	268,125
Air Products & Chemical Inc.	8,000	314,840	315,000
American Hoist & Derrick Co.	6,500	146,818	130,813
American Hospital & Supply Corp.	6,000	202,398	255,000
American Telephone & Telegraph Co.	11,000	583,658	618,750
AmeriTrust Corp.	5,000	162,250	173,750
Armco Inc.	9,000	260,935	312,750
Avon Products Inc.	6,500	256,546	250,250
Burroughs Corp.	5,000	318,846	196,875
Carter Hawley Hale Stores Inc.	11,000	215,380	211,750
Caterpillar Tractor Co.	6,500	350,408	426,563
Chesebrough-Ponds Inc.	7,000	158,270	247,625
Coastal Corp.	8,000	317,800	357,000
Crane Co.	6,120	227,403	270,810
Crown Zellerbach Corp.	5,000	188,000	201,250
Crum & Forster	7,000	208,429	250,250
Dart & Kraft Inc.	6,000	295,880	307,500
Deere & Co.	5,000	160,700	196,250
Walt Disney Productions	5,000	252,650	316,875
First National Boston Corp.	5,000	178,969	221,250
General Electric Co.	4,000	195,900	247,500
Genstar Corp.	9,200	299,729	277,150
Georgia-Pacific Corp.	14,500	393,549	400,563
Great Lakes International Inc.	6,100	201,747	228,750
Gulf Oil Corp.	9,900	436,595	346,500
Gulfstream Land & Dev. Corp.	4,600	82,037	82,800
Halliburton Company	5,000	253,546	298,750
Huffy Corp.	14,000	232,481	224,000
INA Corp.	5,000	203,213	231,875
Ingersoll Rand Co.	5,000	314,215	338,125
IBM Corp.	5,500	347,488	318,313
Irving Bank Corp.	3,500	177,625	182,000
Johnson & Johnson	9,000	229,020	315,000
Kerr-McGee Corp.	2,800	203,462	189,700



## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Shares	Cost	Market
COMMON STOCKS - continued			
Leaseway Trans. Corp.	10,000	\$ 260,900	\$ 362,500
Lee Enterprises Inc.	10,000	238,296	287,500
Martin Marietta Corp.	2,500	106,381	170,000
McDermott Inc.	8,000	268,800	252,000
Merck & Co. Inc.	3,000	215,738	277,500
Motorola Inc.	3,500	192,508	250,250
Norton Simon Inc.	17,600	284,274	283,800
Pay Less Drug Stores N. W.	8,000	154,422	289,000
Pennwalt Corp.	6,400	192,544	179,200
Pennzoil Co.	6,700	347,703	311,550
Pfizer, Inc.	5,000	195,750	240,000
Philip Morris, Inc.	3,000	99,480	149,250
Pittston Co.	10,000	278,450	275,000
Punta Gorda Isles Inc.	7,500	74,993	103,125
Republic of Texas Corp.	5,000	112,175	218,125
Rorer Group Inc.	9,100	148,648	193,375
Schlumberger Ltd.	3,000	193,325	284,250
Seafirst Corp.	5,000	120,707	156,875
Sperry Corp.	6,000	318,143	285,750
Superior Oil Co.	2,000	269,233	374,000
Times-Mirror Co.	5,000	188,870	268,750
Trans World Corp.	12,400	282,906	296,050
Union Pacific Corp.	4,000	140,795	231,000
Westburne International Industries	10,000	213,438	196,250
Westinghouse Electric Corp.	10,000	230,950	303,750
F. W. Woolworth Co.	12,800	308,670	336,000
Yellow Freight System Inc.	15,000	316,875	285,000
Total common stocks		<u>\$53,469,697</u>	<u>\$56,920,098</u>
CONVERTIBLE STOCK			
Natomos Co. \$4.00 Conv. Pfd. C.	7,000	\$ 308,000	\$ 254,625
United Tech. Corpo. \$2.55 Conv. Pfd.	8,000	225,880	207,000
Total convertible stock		<u>\$ 533,880</u>	<u>\$ 461,625</u>
REAL ESTATE EQUITY FUND			
Equitable Life Insurance Co.		\$ 5,750,000	\$ 6,066,704
Prudential Insurance Co.		3,000,000	3,056,380
Aetna Life and Casualty		6,250,000	6,772,365
John Hancock Life Insurance Co.		6,250,000	6,985,326
Total real estate equity fund		<u>\$21,250,000</u>	<u>\$22,880,775</u>

## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Cost</u>	<u>Yield</u>
REAL ESTATE MORTGAGES AND SBA LOANS			
<u>FHA mortgages serviced by -</u>			
Alaska Mutual Savings Bank	6.00	\$ 180,659	6.39
Alaska Mutual Savings Bank	6.75	21,134	7.07
Alaska Mutual Savings Bank	7.50	204,055	7.84
Alaska Mutual Savings Bank	8.00	84,317	7.92
Alaska Mutual Savings Bank	8.50	379,897	8.00
Alaska National Bank	5.75	35,993	5.43
Alaska Statebank	5.25	135,571	5.19
Alaska Statebank	6.00	180,399	5.94
Alaska Statebank	7.00	172,302	7.47
Alaska Statebank	7.50	25,525	7.30
Alaska Statebank	8.50	146,925	8.76
Alaska Statebank	8.50	56,829	7.30
First National Bank of Anchorage	5.25	41,744	4.88
First National Bank of Anchorage	5.50	13,643	5.18
First National Bank of Anchorage	5.75	110,089	5.01
First National Bank of Anchorage	7.50	715,164	8.03
First National Bank of Anchorage	8.50	651,745	8.53
First National Bank of Anchorage	8.50	152,760	9.05
First National Bank of Ketchikan	5.25	23,904	5.12
National Bank of Alaska	5.25	15,408	5.30
National Bank of Alaska	6.00	54,169	6.12
National Bank of Alaska	7.00	1,343,273	7.30
National Bank of Alaska	7.50	36,265	7.19
National Bank of Alaska	8.00	44,568	7.15
Peoples Bank and Trust	7.50	26,246	7.50
Rainier Mortgage Co.	5.25	59,863	5.21
Rainier Mortgage Co.	6.00	68,616	5.94
Rainier Mortgage Co.	7.50	183,380	7.55
Rainier Mortgage Co.	8.50	291,900	8.64
Total FHA mortgages		<u>5,456,343</u>	
<u>SBA loans serviced by -</u>			
Alaska National Bank	8.00	15,887	7.50
B.M. Behrends Bank	10.00	184,589	9.50
National Bank of Alaska	8.00	938,118	7.50
National Bank of Alaska	8.75	155,169	8.25
National Bank of Alaska	9.25	1,032,579	8.75
National Bank of Alaska	10.50	29,994	10.00
Total SBA loans		<u>2,356,336</u>	
<u>Conventional/residential mortgages serviced by -</u>			
Alaska Bank of Commerce	9.50	1,162,963	9.19
Alaska Bank of Commerce	9.625	1,128,241	9.31
Alaska Bank of Commerce	9.75	1,420,432	9.44
Alaska Bank of Commerce	9.75	243,841	9.56

## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Cost</u>	<u>Yield</u>
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
Alaska Bank of Commerce	10.00	\$ 1,332,689	9.81
Alaska Bank of Commerce	10.00	533,545	9.69
Alaska Bank of Commerce	10.125	125,908	9.94
Alaska Bank of Commerce	10.25	581,481	10.06
Alaska Bank of Commerce	10.25	181,332	9.94
Alaska Bank of Commerce	10.50	263,004	10.19
Alaska Bank of Commerce	10.50	1,129,834	10.31
Alaska Bank of Commerce	10.75	96,347	10.44
Alaska Bank of Commerce	10.875	64,550	10.56
Alaska Bank of Commerce	10.875	748,613	10.56
Alaska Bank of Commerce	11.00	982,659	10.81
Alaska Bank of Commerce	11.00	834,355	10.69
Alaska Bank of Commerce	11.25	197,526	11.06
Alaska Bank of Commerce	11.25	226,809	10.63
Alaska Bank of Commerce	11.375	143,576	11.12
Alaska Bank of Commerce	11.375	278,819	11.06
Alaska Bank of Commerce	11.50	235,921	11.31
Alaska Bank of Commerce	11.50	234,103	11.19
Alaska Bank of Commerce	11.75	113,972	11.56
Alaska Bank of Commerce	11.875	171,173	11.56
Alaska Bank of Commerce	12.00	155,058	11.81
Alaska Bank of Commerce	12.00	449,398	11.69
Alaska Bank of Commerce	12.50	261,313	12.19
Alaska Bank of Commerce	12.75	704,245	12.44
Alaska Bank of Commerce	12.75	295,646	12.56
Alaska Bank of Commerce	13.375	54,904	12.94
Alaska Bank of Commerce	13.50	37,777	13.06
Alaska Bank of Commerce	15.00	119,869	14.69
Alaska Bank of Commerce	12.75	799,393	12.69
Alaska Bank of Commerce	9.50	282,233	9.19
Alaska Bank of Commerce	9.625	39,078	9.31
Alaska Bank of Commerce	10.00	128,944	9.69
Alaska Bank of Commerce	10.50	204,607	10.56
Alaska Bank of Commerce	10.50	1,158,787	10.44
Alaska Bank of Commerce	10.50	1,342,605	10.31
Alaska Bank of Commerce	10.50	201,594	10.19
Alaska Bank of Commerce	10.625	240,730	10.56
Alaska Bank of Commerce	10.75	259,508	10.81
Alaska Bank of Commerce	10.75	923,000	10.56
Alaska Bank of Commerce	11.00	33,132	10.69
Alaska Bank of Commerce	11.00	848,053	10.81
Alaska Bank of Commerce	11.50	81,055	11.31

## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Cost</u>	<u>Yield</u>
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
National Bank of Alaska	9.25	\$ 174,223	8.94
National Bank of Alaska	9.375	70,769	9.31
National Bank of Alaska	9.375	1,774,208	9.06
National Bank of Alaska	9.50	2,009,290	9.19
National Bank of Alaska	9.625	1,207,421	9.31
National Bank of Alaska	9.75	115,872	9.56
National Bank of Alaska	9.75	1,041,660	9.44
National Bank of Alaska	9.875	3,013,851	9.56
National Bank of Alaska	10.00	545,220	9.81
National Bank of Alaska	10.00	1,184,231	9.69
National Bank of Alaska	10.25	68,275	9.94
National Bank of Alaska	10.50	334,026	10.19
National Bank of Alaska	10.50	205,196	10.31
National Bank of Alaska	10.75	106,588	10.56
National Bank of Alaska	10.75	292,075	10.44
National Bank of Alaska	10.875	93,399	10.56
National Bank of Alaska	11.00	350,769	10.69
National Bank of Alaska	11.00	973,803	10.81
National Bank of Alaska	11.375	1,061,921	11.06
National Bank of Alaska	11.375	453,262	11.19
National Bank of Alaska	11.50	262,562	11.31
National Bank of Alaska	11.50	1,348,923	11.19
National Bank of Alaska	11.875	571,828	11.56
National Bank of Alaska	11.875	762,190	11.69
National Bank of Alaska	12.00	595,865	11.81
National Bank of Alaska	12.00	289,840	11.69
National Bank of Alaska	12.50	156,706	12.19
National Bank of Alaska	12.75	480,000	12.56
National Bank of Alaska	12.75	97,276	12.44
National Bank of Alaska	12.75	870,146	12.44
National Bank of Alaska	12.875	622,666	12.56
National Bank of Alaska	12.875	578,473	12.81
National Bank of Alaska	13.375	471,551	13.06
National Bank of Alaska	14.00	486,600	13.69
National Bank of Alaska	14.00	66,954	13.56
National Bank of Alaska	14.75	157,500	14.31
National Bank of Alaska	15.00	20,960	14.56
National Bank of Alaska	11.00	195,748	10.81
National Bank of Alaska	9.75	216,793	9.56
National Bank of Alaska	10.25	1,297,023	10.06
National Bank of Alaska	10.50	1,001,889	10.31
National Bank of Alaska	10.625	259,878	10.44

## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Cost</u>	<u>Yield</u>
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
National Bank of Alaska	10.75	\$ 830,143	10.56
National Bank of Alaska	10.75	876,097	10.69
National Bank of Alaska	11.00	646,993	10.94
National Bank of Alaska	11.00	793,066	10.81
National Bank of Alaska	11.50	290,580	11.44
National Bank of Alaska	15.00	545,883	14.69
National Bank of Alaska	15.00	73,310	14.56
National Bank of Alaska	10.50	114,576	10.31
National Bank of Alaska	10.50	707,681	10.44
National Bank of Alaska	12.00	531,178	11.94
National Bank of Alaska	10.50	572,653	10.44
National Bank of Alaska	10.50	214,656	10.31
National Bank of Alaska	12.00	98,544	11.81
National Bank of Alaska	13.00	197,833	12.81
Peoples Bank and Trust	9.50	689,678	9.19
Peoples Bank and Trust	9.625	664,429	9.31
Peoples Bank and Trust	9.75	250,709	9.56
Peoples Bank and Trust	9.75	215,919	9.44
Peoples Bank and Trust	9.875	38,678	9.56
Peoples Bank and Trust	10.00	449,093	9.81
Peoples Bank and Trust	10.00	218,666	9.69
Peoples Bank and Trust	10.25	103,235	10.06
Peoples Bank and Trust	10.25	135,426	9.94
Peoples Bank and Trust	10.50	188,506	10.19
Peoples Bank and Trust	10.875	142,389	10.69
Peoples Bank and Trust	10.875	84,791	10.56
Peoples Bank and Trust	11.00	795,948	10.81
Peoples Bank and Trust	11.00	56,249	10.69
Peoples Bank and Trust	11.125	92,190	10.81
Peoples Bank and Trust	11.50	119,072	11.31
Peoples Bank and Trust	11.875	449,872	11.69
Peoples Bank and Trust	11.875	225,290	11.565
Peoples Bank and Trust	12.00	59,181	11.69
Peoples Bank and Trust	12.50	147,186	12.31
Peoples Bank and Trust	12.75	93,999	12.44
Peoples Bank and Trust	12.75	353,190	12.56
Peoples Bank and Trust	13.375	253,806	13.06
Peoples Bank and Trust	13.625	34,795	13.19
Peoples Bank and Trust	13.75	104,823	13.44
Peoples Bank and Trust	14.50	119,655	14.06

## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Cost</u>	<u>Yield</u>
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
Peoples Bank and Trust	9.75	\$ 66,318	9.44
Peoples Bank and Trust	10.25	74,733	9.94
Peoples Bank and Trust	10.50	320,894	10.31
Peoples Bank and Trust	10.75	128,591	10.56
Peoples Bank and Trust	12.50	259,517	12.31
Peoples Mortgage Co.	10.50	200,781	10.31
Peoples Mortgage Co.	10.25	625,482	10.19
United Bank of Alaska	9.375	421,858	9.06
United Bank of Alaska	9.50	123,862	9.31
United Bank of Alaska	9.50	1,748,711	9.19
United Bank of Alaska	9.60	157,775	9.25
United Bank of Alaska	9.625	1,966,846	9.31
United Bank of Alaska	9.75	48,394	9.44
United Bank of Alaska	9.875	620,875	9.56
United Bank of Alaska	10.00	1,129,331	9.81
United Bank of Alaska	10.00	419,539	9.69
United Bank of Alaska	10.25	50,490	9.84
United Bank of Alaska	10.25	127,889	10.06
United Bank of Alaska	10.375	116,289	10.06
United Bank of Alaska	10.375	309,754	10.19
United Bank of Alaska	10.50	101,684	10.31
United Bank of Alaska	10.50	479,473	10.44
United Bank of Alaska	10.75	46,883	10.44
United Bank of Alaska	11.00	154,526	10.69
United Bank of Alaska	11.00	536,260	10.81
United Bank of Alaska	11.375	136,022	11.19
United Bank of Alaska	11.50	152,745	11.19
United Bank of Alaska	12.00	288,947	11.69
United Bank of Alaska	12.50	47,352	12.19
United Bank of Alaska	14.00	103,461	13.69
United Bank of Alaska	14.75	98,250	14.31
United Bank of Alaska	9.50	68,546	9.19
United Bank of Alaska	10.50	363,021	10.31
United Bank of Alaska	10.50	164,866	10.19
United Bank of Alaska	10.75	839,595	10.56
United Bank of Alaska	11.00	664,256	10.81
United Bank of Alaska	11.00	86,837	10.69
United Bank of Alaska	11.00	417,825	10.94
United Bank of Alaska	11.50	47,870	11.19
United Bank of Alaska	12.00	92,818	11.69
United Bank of Alaska	12.00	1,454,995	11.81
United Bank of Alaska	12.00	333,707	11.94
United Bank of Alaska	13.00	99,613	12.69
United Bank of Alaska	13.625	67,306	13.19
United Bank of Alaska	11.00	153,324	10.81

## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Interest Rate	Cost	Yield
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
AMFAC Mortgage Co.	10.625	\$ 385,405	10.56
Arctic First Federal Savings and Loan	10.50	91,521	9.44
Arctic First Federal Savings and Loan	10.75	52,559	10.44
Arctic First Federal Savings and Loan	10.50	931,890	10.31
B. M. Behrends Bank	9.50	66,963	9.19
B. M. Behrends Bank	9.50	370,738	9.31
B. M. Behrends Bank	10.00	110,621	9.69
B. M. Behrends Bank	10.75	43,576	10.44
B. M. Behrends Bank	11.25	105,631	11.12
B. M. Behrends Bank	11.50	101,981	11.31
B. M. Behrends Bank	12.00	151,830	11.69
B. M. Behrends Bank	12.75	487,286	12.69
B. M. Behrends Bank	10.00	130,133	9.81
B. M. Behrends Bank	10.50	107,721	10.31
B. M. Behrends Bank	10.50	461,363	10.44
B. M. Behrends Bank	11.00	352,885	10.81
B. M. Behrends Bank	12.00	158,190	11.81
B. M. Behrends Bank	12.00	296,752	11.69
B. M. Behrends Bank	14.00	286,900	13.69
First National Bank of Anchorage	10.75	1,007,196	10.65
Home Federal Savings and Loan	10.25	524,138	10.19
Mt. McKinley Mutual Savings Bank	9.25	36,871	8.94
Mt. McKinley Mutual Savings Bank	9.75	411,845	9.44
Mt. McKinley Mutual Savings Bank	10.00	115,224	9.69
Mt. McKinley Mutual Savings Bank	10.50	41,769	10.19
Mt. McKinley Mutual Savings Bank	10.75	33,526	10.44
Mt. McKinley Mutual Savings Bank	11.00	110,634	10.81
Mt. McKinley Mutual Savings Bank	11.00	209,953	10.69
Mt. McKinley Mutual Savings Bank	11.50	374,369	11.19
Mt. McKinley Mutual Savings Bank	11.75	309,010	11.44
Mt. McKinley Mutual Savings Bank	12.00	49,478	11.69
Mt. McKinley Mutual Savings Bank	9.875	46,495	9.56
Mt. McKinley Mutual Savings Bank	10.00	117,392	9.81
Mt. McKinley Mutual Savings Bank	10.25	170,714	10.06
Mt. McKinley Mutual Savings Bank	10.50	308,476	10.19
Mt. McKinley Mutual Savings Bank	10.50	436,893	10.44
Mt. McKinley Mutual Savings Bank	10.625	540,193	10.56
Mt. McKinley Mutual Savings Bank	11.00	34,496	10.69
Mt. McKinley Mutual Savings Bank	11.00	177,539	10.81
Mt. McKinley Mutual Savings Bank	11.375	31,285	11.06
Mt. McKinley Mutual Savings Bank	11.50	122,231	11.19
Mt. McKinley Mutual Savings Bank	12.00	70,179	11.69
Mt. McKinley Mutual Savings Bank	12.50	189,528	12.31
Mt. McKinley Mutual Savings Bank	12.50	77,807	12.19
Mt. McKinley Mutual Savings Bank	14.875	88,831	14.44

## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Interest Rate	Cost	Yield
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
Alaska Mutual Savings Bank	13.375	\$ 46,638	12.94
Alaska Mutual Savings Bank	13.375	199,605	13.06
Alaska Mutual Savings Bank	14.00	199,814	13.69
Alaska Mutual Savings Bank	14.00	76,758	13.56
Alaska Mutual Savings Bank	14.75	89,882	14.31
Alaska Mutual Savings Bank	9.50	57,950	9.19
Alaska Mutual Savings Bank	9.625	1,038,146	9.31
Alaska Mutual Savings Bank	9.75	27,398	9.44
Alaska Mutual Savings Bank	10.00	77,486	9.69
Alaska Mutual Savings Bank	10.25	111,389	10.06
Alaska Mutual Savings Bank	10.375	751,146	10.31
Alaska Mutual Savings Bank	10.50	44,060	10.31
Alaska Mutual Savings Bank	10.50	287,259	10.19
Alaska Mutual Savings Bank	11.00	342,327	10.56
Alaska Mutual Savings Bank	11.00	517,357	10.81
Alaska Mutual Savings Bank	12.00	316,174	11.81
Alaska Mutual Savings Bank	12.50	389,511	12.44
Alaska Mutual Savings Bank	12.75	199,528	12.56
Alaska Mutual Savings Bank	15.00	37,740	14.75
Alaska Mutual Savings Bank	13.00	268,816	12.69
Alaska Mutual Savings Bank	15.00	20,560	14.69
Alaska Mutual Savings Bank	10.50	645,832	10.51
Alaska Mutual Savings Bank	11.50	550,321	11.06
Alaska Mutual Savings Bank	11.75	811,485	11.56
Alaska Mutual Savings Bank	12.75	260,510	12.44
Alaska Mutual Savings Bank	10.50	480,520	10.31
Alaska Mutual Savings Bank	12.75	497,558	12.56
Alaska Mutual Savings Bank	10.625	973,281	10.56
Alaska Mutual Savings Bank	13.00	196,335	12.69
Alaska National Bank	10.50	242,563	10.31
Alaska National Bank	10.50	241,302	10.31
Alaska National Bank	11.00	375,000	10.81
Alaska National Bank	10.50	476,657	10.31
Alaska National Bank	12.00	1,555,261	11.81
Alaska National Bank	10.50	750,000	10.44
Alaska Statebank	11.00	92,553	10.69
Alaska U.S.A. Federal Credit Union	10.125	60,176	9.82
Alaska U.S.A. Federal Credit Union	10.25	78,791	9.94
Alaska U.S.A. Federal Credit Union	10.50	183,164	10.19
Alaska U.S.A. Federal Credit Union	10.50	110,772	10.31
Alaska U.S.A. Federal Credit Union	10.625	258,632	10.31
Alaska U.S.A. Federal Credit Union	10.75	162,917	10.44
Alaska U.S.A. Federal Credit Union	11.00	537,400	10.69
Alaska U.S.A. Federal Credit Union	11.00	211,855	10.81



## ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	Interest Rate	Cost	Yield
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
Alaska Bank of Commerce	12.00	\$ 38,113	11.81
Alaska Bank of Commerce	12.00	71,114	11.69
Alaska Bank of Commerce	12.50	177,991	12.31
Alaska Bank of Commerce	13.00	234,277	12.81
Alaska Bank of Commerce	14.50	337,040	14.19
Alaska Bank of Commerce	10.625	960,275	10.56
Alaska Bank of Commerce	11.00	228,761	10.81
Alaska Bank of Commerce	10.50	1,362,136	10.44
Alaska Bank of Commerce	12.75	85,810	12.31
Alaska Federal Savings and Loan	10.50	992,835	10.44
Alaska First Mortgage Co.	10.00	291,706	9.81
Alaska First Mortgage Co.	10.00	257,068	9.69
Alaska First Mortgage Co.	10.50	390,452	10.19
Alaska First Mortgage Co.	11.00	275,472	10.69
Alaska First Mortgage Co.	11.375	361,168	11.06
Alaska First Mortgage Co.	11.375	270,629	11.19
Alaska First Mortgage Co.	11.50	339,979	11.19
Alaska First Mortgage Co.	11.50	242,112	11.31
Alaska First Mortgage Co.	11.875	244,120	11.69
Alaska First Mortgage Co.	11.875	690,194	11.56
Alaska First Mortgage Co.	12.00	108,991	11.69
Alaska First Mortgage Co.	12.00	54,833	11.56
Alaska First Mortgage Co.	12.50	145,651	12.31
Alaska First Mortgage Co.	12.75	334,713	12.56
Alaska First Mortgage Co.	10.50	114,444	10.31
Alaska Mutual Savings Bank	9.25	113,422	8.94
Alaska Mutual Savings Bank	9.50	343,253	9.19
Alaska Mutual Savings Bank	9.625	880,236	9.31
Alaska Mutual Savings Bank	10.75	53,816	10.44
Alaska Mutual Savings Bank	11.00	91,189	10.69
Alaska Mutual Savings Bank	11.375	770,929	11.06
Alaska Mutual Savings Bank	11.375	512,455	11.19
Alaska Mutual Savings Bank	11.50	652,967	11.19
Alaska Mutual Savings Bank	11.50	642,076	11.31
Alaska Mutual Savings Bank	11.875	89,605	11.56
Alaska Mutual Savings Bank	11.875	108,248	11.69
Alaska Mutual Savings Bank	12.00	347,163	11.69
Alaska Mutual Savings Bank	12.00	450,704	11.81
Alaska Mutual Savings Bank	12.50	188,984	12.19
Alaska Mutual Savings Bank	12.75	96,872	12.44
Alaska Mutual Savings Bank	12.75	312,799	12.69
Alaska Mutual Savings Bank	12.80	44,887	12.36
Alaska Mutual Savings Bank	12.875	30,499	12.44

# ALASKA TEACHERS' RETIREMENT SYSTEM

## SCHEDULE OF INVESTMENTS HELD AT

June 30, 1981

	<u>Interest Rate</u>	<u>Cost</u>	<u>Yield</u>
REAL ESTATE MORTGAGES AND SBA LOANS - continued			
<u>Conventional/residential mortgages</u>			
<u>served by - continued</u>			
Verex Mortgage Company	13.25	\$ 72,794	12.94
Verex Mortgage Company	13.50	2,266,271	12.94
Verex Mortgage Company	13.625	6,864,521	12.94
Verex Mortgage Company	13.625	73,207	13.19
Verex Mortgage Company	13.75	344,402	13.06
Verex Mortgage Company	13.75	917,069	13.19
Verex Mortgage Company	13.875	1,442,590	13.19
Verex Mortgage Company	14.00	73,445	13.31
Verex Mortgage Company	14.50	39,957	13.81
Total conventional/residential mortgages		<u>127,054,821</u>	
Total real estate mortgages and Small Business Administration loans		<u>\$134,867,500</u>	

